

Environmental Engineering & Consulting, Inc.

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Camas, Washington 98607

Dear (b) (6)

This is an addendum to our Environmental Due Diligence report of November 1992 for Purchase of Silicon Metaltech, Inc. (SMI) at Rock Island, Washington.

Subsequent to preparation of that report, we were able to obtain documents from the Washington Department of Ecology (WDOE) files as follows:

- a.SMI (Lab and Lagoon Sites) Draft Site Hazard Assessment Report dated May 1991, prepared for WDOE by consultants DPRA and SAIC,
- b. Summary score sheet for the lagoon site for the Washington Ranking Method.
- c.Route Score Summary and Ranking Calculation Sheet for the Iggoon site for the Washington Ranking Method,
- d. Summary score sheet for the lab site for the Washington Ranking Method, and
- e.WDOE Site Register of August 25, 1992.

The Route Score Summary and Ranking Calculation Sheet for the lab site for the Washington Ranking Method was requested from WDOE Central region office but was not received.

To put this information in perspective, if the WDOE suspects a site as being contaminated, WDOE conducts a Site Hazard Assessment (SHA) usually through a consultant. Document "a" listed above is the SHA for SMI. A site is then scored using the Washington Ranking Method model. Ducuments "b" through "e" listed above are the scoring and ranking for the SMI "lagoon" and "lab" sites. The scoring and ranking model considers contamination via ground water, surface water and air pathways to human and environmental receptors. If the SHA report revealed contamination, the site will be scored and ranked against other sites on a scale of 1 (relatively high contamination) to 5

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(relatively low contamination) or "no further action." Document "e" listed above is the WDOE statewide published list or sites that have been scored and ranked.

As shown in these documents, the "Lab Site" received a rank of 5 and the "Lagoon Site" received a rank of 4. these rankings are relatively low and as WDOE officials have told us, sites with rankings of 4 or 5 will not receive priority attention from WDOE and may be essentially ignored by WDOE. Only sites with rankings of 1 or 2 will receive priority attention from WDOE because of limited resources and the large number of sites with rankings of 1 or 2.

Much relevant information and data (e.g., various reports at SMI and perhaps at WDOE) were apparently not used in the SHA report and scoring/ranking process. In addition, our review showed that there were a number of errors in the SHA report and scoring/ranking documents. A few examples are:

- 1."An old underground storage tank used for PCB oil storage" as cited in the SHA report. This was not correct.
- 2.No closure report on former underground storage tank as cited in the SHA report. This was not correct.
- 3. Fume accumulation rate in lagoons was 10,400 tons/year in ranking. this compares to the actual rate of about 4,400 tons/year.

Some errors (such as those noted above, and others that are likely) probably affected the scoring/ranking while others did not. It would probably be beneficial to conduct a detailed review of the scoring/ranking for both sites to correct the scoring/ranking, correct errors in the WDOE files, and resolve discrepancies in the WDOE files. However it may not be appropriate to officially challenge the WDOE ranking since this may direct unwanted attention to the facility. It would also be beneficial to have the sites delisted, i.e., removed from the WDOE contaminated sites list. This should be accomplished for the lab site when it is cleaned up. It is possible the lagoon site could be delisted by rescoring it with the WDOE model, then petitioning the State.

The SHA report and scoring/ranking process have also caused us to revisit the ground water quality issue. We reviewed the data from the 1988 audit (which

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included the work done in the 1970s and 1980s by WDOE, WSU and others), the post—audit data and all more recent data we had. After this further review we conclude again there are no indications of contaminants at levels of concern, despite some expressions of concern by WDOE and others and some false positives that were later retested and not confirmed.

Please do not hesitate to call me if there are any questions.

Sincerely,

Patrick H. Wicks, PE, CHMM

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President

Enclosures

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DRAFT SITE HAZARD ASSESSMENT (SHA) REPORT

SILICON METALTECH, INCORPORATED (LAB AND LAGOON SITES) Rock Island, Washington Douglas County

Prepared for:

Washington Department of Ecology 801 Summitview Avenue, Suite 1 Yakima, Washington 98902

Prepared by:

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332 Minnesota Street
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and

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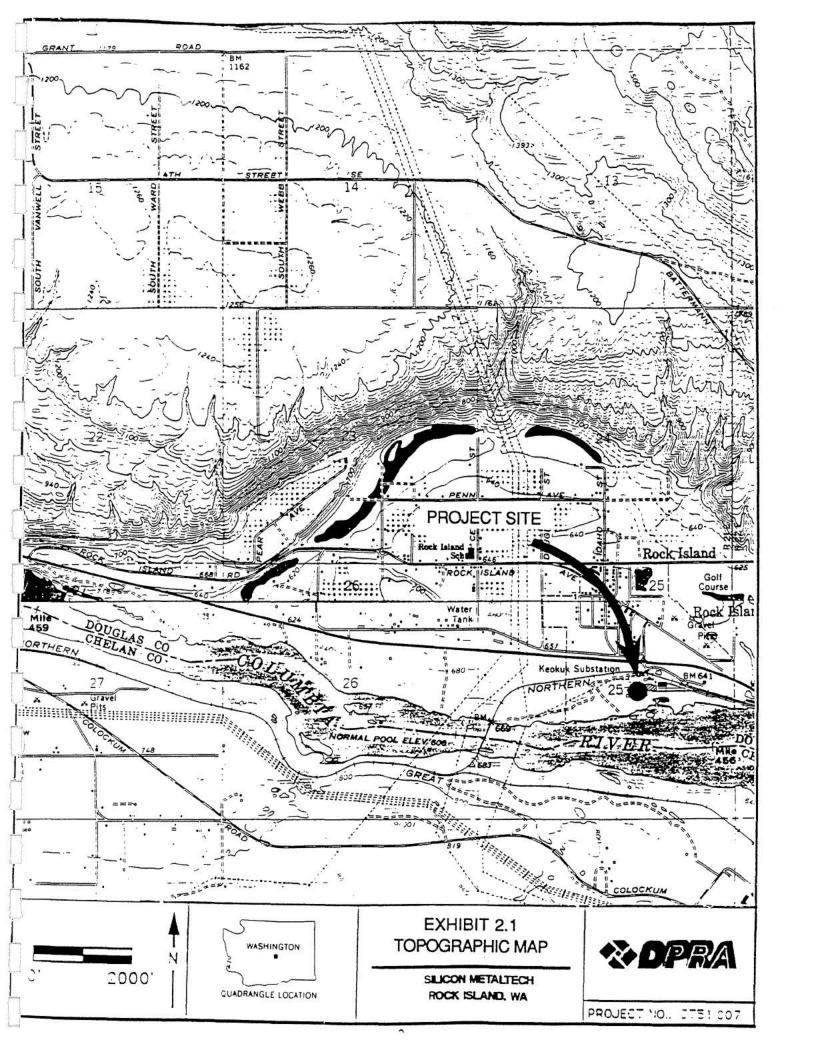
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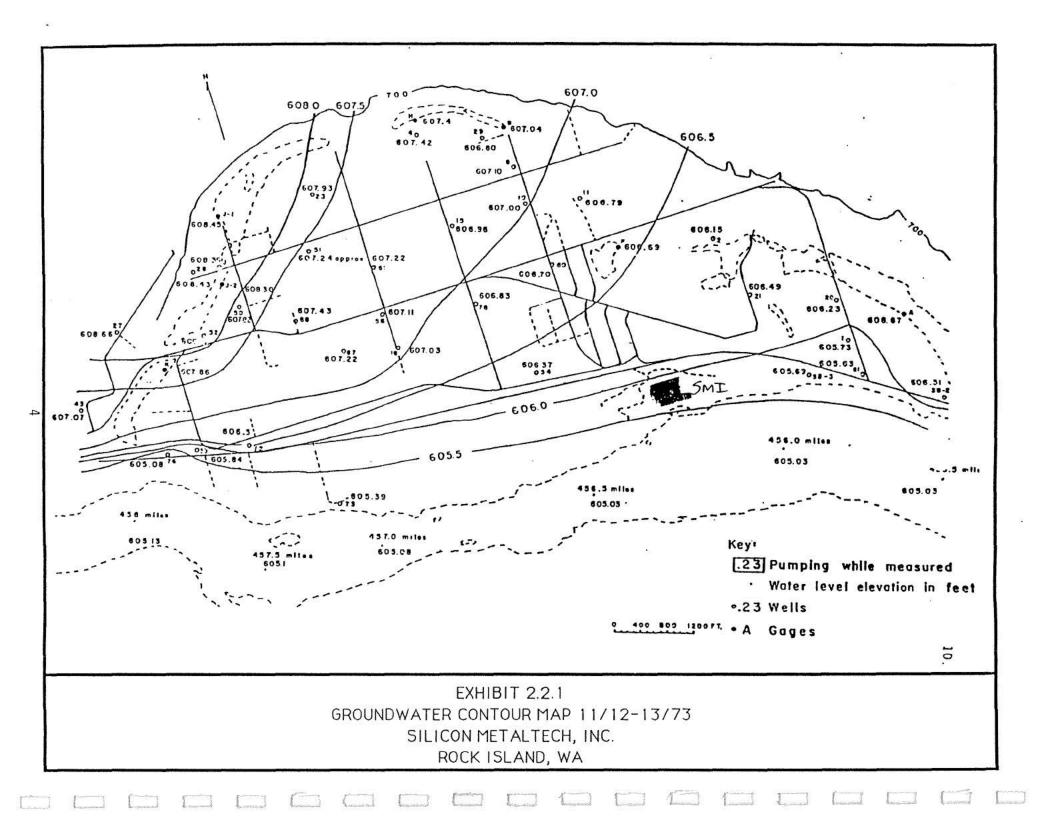
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1.0 INTRODUCTION

SAIC Incorporated and its subcontractor, DPRA Incorporated, conducted a Site Hazard Assessment (SHA) at the Silicon Metaltech, Incorporated located in Rock Island, Washington. This SHA addresses two sites at the facility - the Lab Site and Lagoon Site. The purpose of a SHA (in accordance with WAC 173-340-320) is to provide sufficient sampling data and other environmental information to:

- (a) Confirm or rule out that a release or threatened release of a hazardous substance has occurred;
- (b) Identify the hazardous substance and provide some information regarding the extent and concentration of the substance;
- (c) Identify site characteristics that could result in the substance entering and moving through the environment; and
- (d) Evaluate the potential for the threat to human health and the environment.

This information is then used to compute a score using the Washington Ranking Method (WARM) and the priority level of the site relative to the other State Superfund sites.

This report includes a brief description of the site's environmental setting in Section 2.0, a discussion of waste management practices and previous investigations conducted at the site in Section 3.0, a summary of field activities completed under this work assignment in Section 4.0, a set of recommendations in Section 5.0, and a list of references in Section 6.0. Attachments include the following materials: (1) Data Collection Summary Sheets (DCSS), (2) Photograph Log, (3) Field Notes, (4) Well Logs, and (5) Recent Analytic Data.

2.0 ENVIRONMENTAL SETTING

Silicon Metaltech Inc. (SMI) is an active silicon smelting plant located in Rock Island, Douglas County, Washington (Exhibit 2.1). The facility is located just north of the Columbia River, approximately 35 feet above the normal pool elevation. The site is located next to residential and commercial buildings to the north, gravel pits to the northeast, and commercial, residential, and a golf course to the east.

Groundwater was encountered at a depth of 25 feet during excavation activities recently conducted at the facility to investigate mercury contamination. Groundwater elevations and directions of groundwater flow fluctuate seasonally in response to pumping stresses north and west of the facility. Groundwater levels are probably also affected by changes in river stage (Exhibits 2.2.1 and 2.2.2). The river flats are underlain by a thick (approximately 100 feet) sequence of alluvial deposits. These deposits are composed of sands, gravels, cobbles, and boulders with correspondingly high permeability values (Exhibit 2.3).

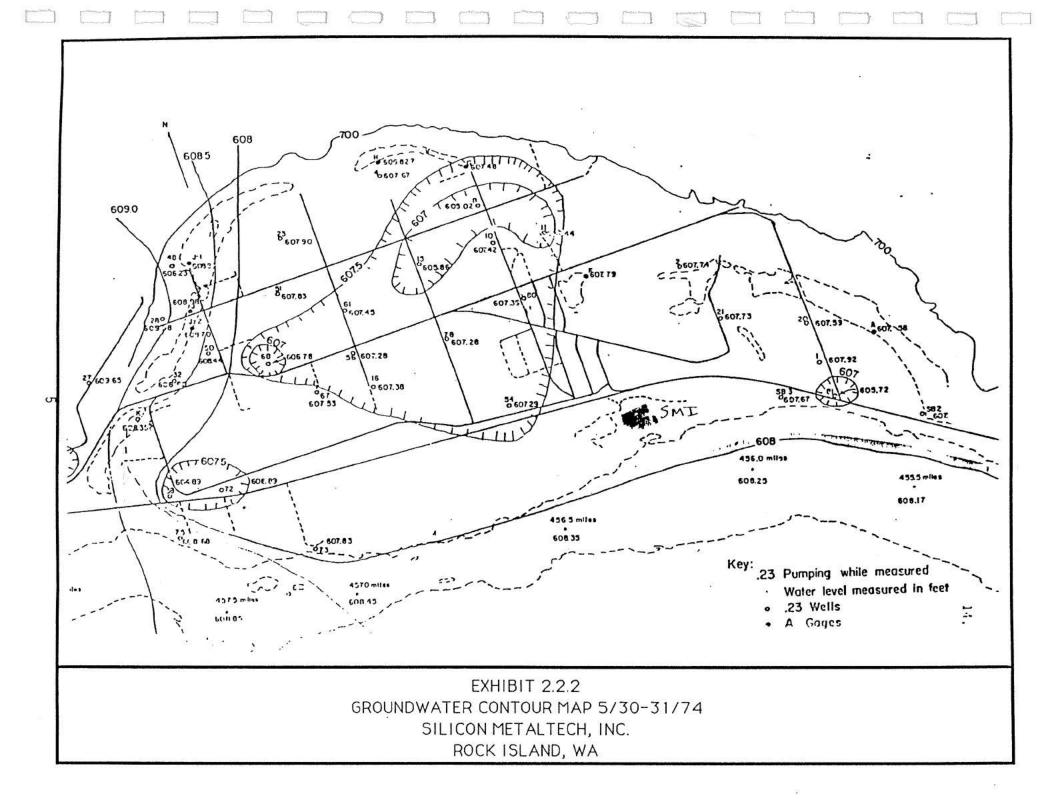
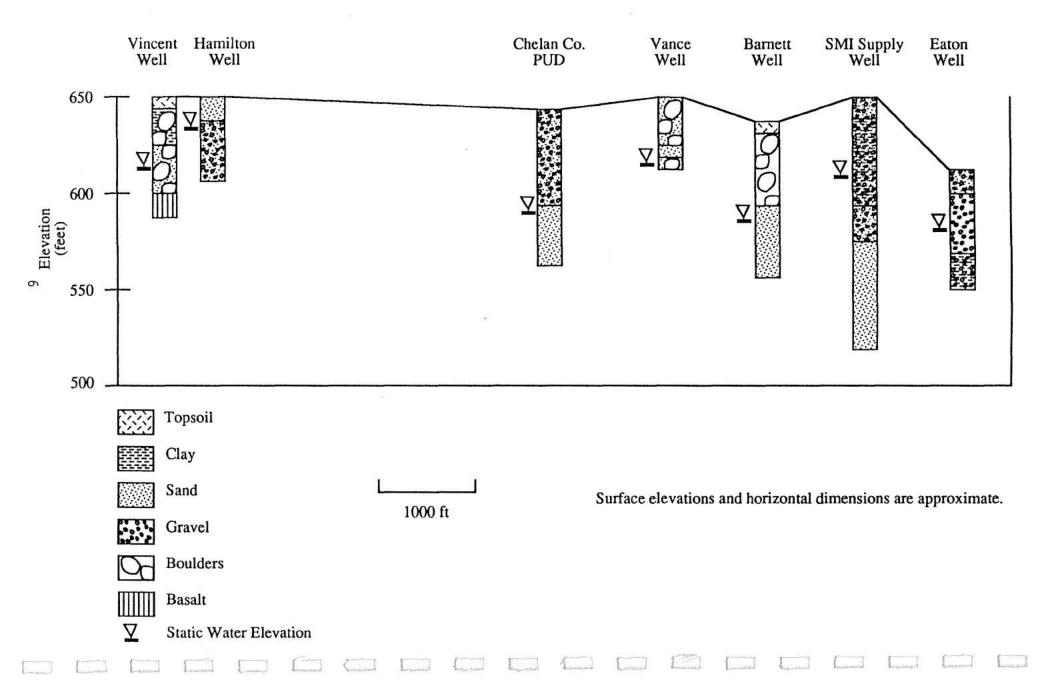


Exhibit 2.3

GENERALIZED GEOLOGIC CROSS SECTION OF ROCK ISLAND AREA

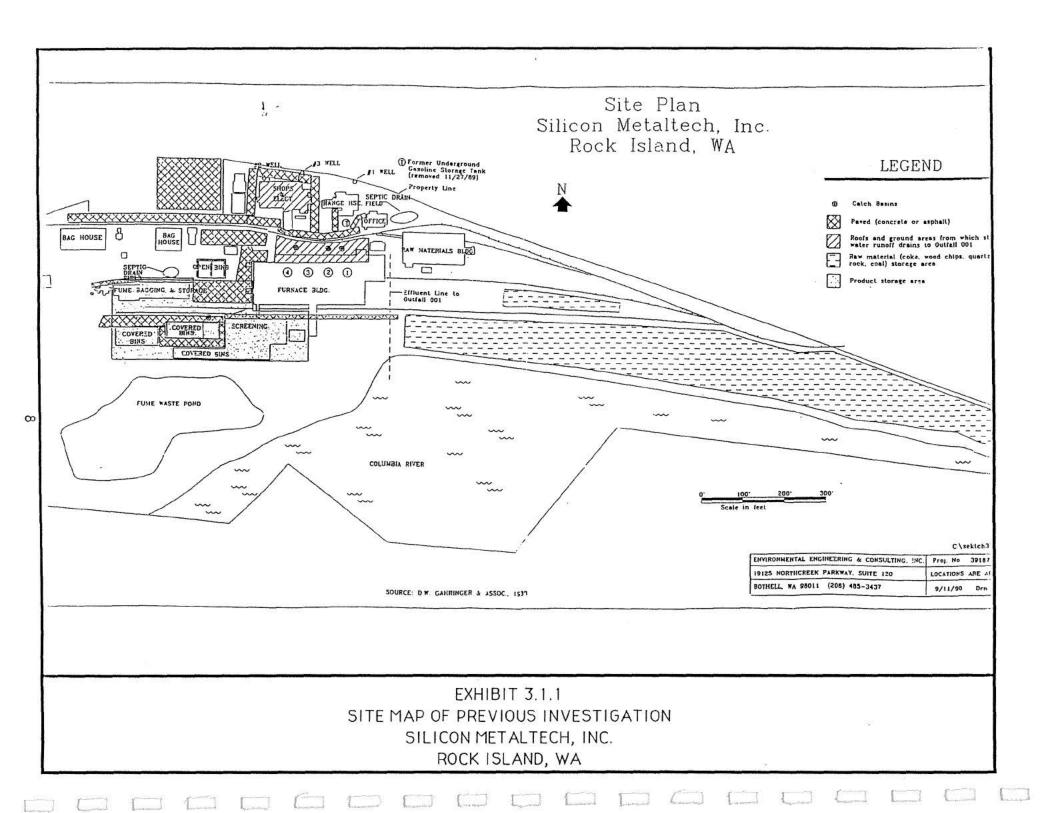


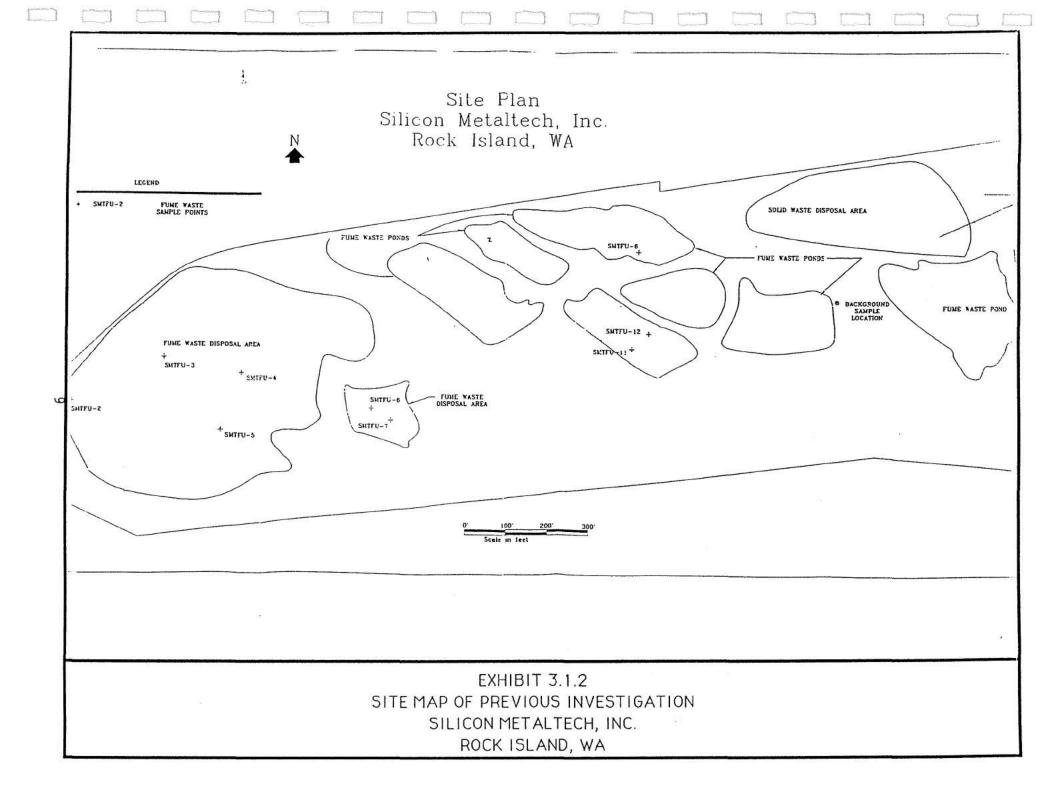
3.0 WASTE MANAGEMENT PRACTICES AND PREVIOUS INVESTIGATIONS

The SMI Rock Island facility is a silicon smelting plant, which includes a raw materials building, furnace building, a metals laboratory, shop area (vehicles, maintenance, and paint), glycol building, lubricants storage building, bag houses, open and covered bins, a fume bagging and storage facility, eight fume waste lagoons, a solid waste disposal area, and a storage tank which contains PCB oils pumped from transformers (Exhibits 3.1.1 and 3.1.2). There are approximately seven active and three inactive transformers located at the facility. There was also an underground storage tank (UST) located at the facility but it was taken out of service on November 27, 1989. SMI razed a former Quality Control Laboratory to construct a new laboratory in November 1988. It was discovered at that time that mercury had been used in the previous building during the 1960s. The material which made up the building was crushed and taken to the on-site solid waste landfill where it was buried. There was also asbestos in the building and, according to Robert Miller of the facility, it was taken to an appropriate off-site landfill. According to a maintenance man at the facility, the oil from the previously mentioned transformers has been checked and it contains less than 50 parts per million (ppm) PCBs. Data relating to the disposal of the asbestos or oil tests for the transformers were not provided during the inspection.

Excavation of subsurface materials from the area near the former mercury retort and dry well were conducted in late 1988. Soil samples collected at this time showed concentrations ranging from 47 to 2,370 ppm mercury. EP toxicity concentrations were less than 1 ppm.

There are currently eight fume waste lagoons at the facility. Three are active and five are inactive. One of the inactive lagoons is lined with plastic. The inactive fume waste lagoons are filled with solids. The facility generates approximately 40 tons of fume dust every 16 hours. The fume dust which is not collected in the bag houses is piped to the first of the three active fume waste lagoons. The water is then piped to the next lagoon while a portion of the solids settle out in the first lagoon. The water and remaining solids enter the second lagoon. If the water level reaches within two feet of the top of the dikes, it is piped to a





third lagoon where the remaining water is allowed to evaporate while the remaining solids settle to the bottom of the lagoons. Fume waste samples have been collected for EP TOX metals in October 1988 and for TCLP metals and semi-volatiles in March 1991 (Attachment VI). None of the EP TOX or TCLP data of the fume waste has ever exceeded maximum allowable concentrations. This data was generated from both solids as well as water samples. There have been few groundwater quality data collected in the vicinity of the lagoons and no detailed examination of the interaction between the lagoons and the Columbia River has been documented.

Apparently, some air quality data have been collected. Mr. Miller did indicate that the amount of airborne contamination has decreased to almost zero since the bag houses were constructed in 1977 or 1978. This control does not account for any dust that becomes airborne after drying out in one of the inactive lagoons.

Concentrations in SMI's supply well and nearby residences were found to be in the low parts per billion range. Earlier sampling by Washington State University and WDOE in 1979-1980 of wells in the vicinity of Rock Island indicated relatively high levels of arsenic and selenium. Two monitoring wells were installed at SMI's predecessor (Hanna Mining) near Lagoon #4. Low parts per billion concentrations were observed for metals over a six-month time period. The wells were then abandoned. It is unclear if the low metal concentrations in the Rock Island Area result from: (1) leakage of the fume lagoons which do show high metals levels, (2) other contamination sources such as orchards, or (3) from natural background.

4.0 FIELD ACTIVITIES

The field activities related to the Silicon Metaltech, Inc. facility included the following: interview of a site representative to determine the processes related to the fume waste lagoons and an inspection of the area where mercury-contaminated soil and other materials had been removed. The purpose of these inspections and interview was to identify any data gaps that may exist.

Based on the interview with the facility representative, the bulk of the mercury-contaminated soil and other material has been removed, place in plastic-lined crates, and is stored near the fume waste lagoon directly west of the main portion of the building. Some mercury-contaminated soil still resides in the subsurface at the facility and represents a potential for groundwater contamination. There is still a potential for an air release as long as the plastic-lined crates of soil are present at the facility. These crates should be covered until such time as these crates are removed.

5.0 RECOMMENDATIONS

Whereas sufficient data do exist to score the SMI Lab and Lagoon Sites, additional information would be helpful in developing a more precise WARM Score. Certain interim measures should also be implemented at the facility.

The air route is a potential pathway for heavy metals from both the stockpiled mercury-contaminated soil excavated from the Lab Site and the Fume Lagoon waste piles. These materials should be covered or disposed to prevent transport by wind dispersal. Limited soil sampling downwind of both waste management areas may be warranted.

Monitoring wells previously installed at the facility near Lagoon #4 apparently showed low metals levels. Well installation and sampling protocols are not known, however. Installation of three monitoring wells (one upgradient, two downgradient) from the most frequently used and largest lagoons may be justified to confirm releases of heavy metals to groundwater.

6.0 REFERENCES

- 1. Notification of Hazardous Waste Activities, from Hanna Mining Co. to EPA Region X, August 14, 1980.
- 2. Telephone Report, Pat Wicks of ERM-Northwest to Harold Porath of WDOE, November 30, 1988.
- 3. Characterization of Mercury Contamination in Soil and Fill at Silicon Metaltech Inc., from Pat Wicks of ERM-Northwest to Dennis Bowhay of WDOE, March 9, 1989.
- 4. Memo to Files, from John Fahsholtz of WDOE, July 27, 1990.
- 5. Memo to Files, from Tony Valero of WDOE, September 12, 1990.
- 6. Letter in reference to Stockpiled Contaminated Soil, C.C. Bromley of Cyprus Minerals Company to John Fahsholtz of WDOE, November 20, 1990.
- 7. Water Quality Memo, from Bob Raforth of WDOE to John Fahsholtz (of same), December 31, 1990.
- 8. SHA Activity Letter, from John Fahsholtz of WDOE to James Trunzo, February 13, 1991.
- 9. Soil Conservation Service, Douglas County.
- 10. State of Washington Water Rights Information System Database.
- 11. State of Washington Public Water Supply Database.

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ATTACHMENT I SHA DCSS SILICON METALTECH, INC. - LAB SITE

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STATE OF WASHINGTON DEPARTMENT OF ECOLOGY TOXICS CLEANUP PROGRAM

SITE HAZARD ASSESSMENT DATA COLLECTION SUMMARY SHEETS FOR WASHINGTON RANKING METHOD

Site Name: Silicon Metaltech Inc Lab Site
Location: Rock Island, Washington
Site owner/operator: Silicon Metaltech Inc.
Address: 100 4th St., Rock Island, WA / P.O. Box 361, Wenatchee, WA 98807-0361
Any other known PLP(s): Cypress - Foote & M.A. Hanna Address: Unknown
Site Number:
Date(s) of field site hazard assessment: 4/15/91
Samples or field measurements:soilsurface waterairground water
(Attach copies of pertinent sampling and analytical data, as well as all other supporting documentation.)
Photographs: Yes
Weather: Cloudy to partly cloudy, intermittent showers, 60°F
Lead inspector: Rick Horner
Other inspectors: Greg Uetrecht
Signature: Dref Heftecht

PART I: Hazardous Substances

NOTE: Page numbers (e.g. SW-2) shown in parentheses thoughout this checklist refer to the WARM Scoring Manual. WK- numbers refer to pages of the new scoring sheets (not those in the scoring manual).

A. LIST

List hazardous substances, <u>known</u> or <u>suspected</u> (check k or s), <u>currently</u> at the property, or that have been <u>previously</u>(check c or p) at the property (WK-2,3):

<u>Haza</u>	rdous Substance (K) S C (P)	<u>Ouantity</u>	<u>Units</u>
1.	Mercury - soil (groundwater)	4000 (.0009)	ppm (mg/1)
2.	Chromium - soil	93	ppm
3.	Lead - soil (groundwater)	150 (.004)	ppm (mg/1)
4.	Nickel - soil	23	p pm
5.	Arsenic groundwater	.004	mg/l
6.	Cadmium - groundwater	.0005	mg/1
7.	Di-n-Butyl phthalate - soil	.019	p pm
8.	Chrysotile tiles in solid waste pile	64	ft ³
9.			
By w Numb	tional?(list on attachment hich routes are these available er(from above) Surface Water 1.3.5.6 1-8	? Air Groundwate	<u>r</u> ockpiled materials
3		in	plastic-lined en wooden crates)

B. SOURCES	
Check those kr	nown or observed (WK-3):
X	as or other containers ctrical transformers ve ground tanks ow ground tanks - removed in 11/27/89 dis, pits, or other impoundments elines (other than water, sewer, or gas) or drains erior drains for rainwater, surface waters, lls, etc. er? Identify:
X disc	nown or observed: colored soils curbed soils colored standing water sual or noxious odors c or dead vegetation
grou	andwater monitoring wells er? Identify:
	ecked in B or C, explain details including as (identify location on a map or drawing).
Additional information:	Orums located in paint shop & lubrication building - automotive
between shop & 1 - Fume dust settl	ectrical transfromers - next to Raw Materials Building - Furnace building - scrapped near solid waste landfill. Ing basins - west and north of facility - (three active -
five filled with	n fume dust). Or drains noted throughout facility
	in crates as well as near the solid waste landfill and

throughout the facility.
- Soil removed due to mercury contamination

PART II: Releases

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1-7	See Part I-	-A	***************************************	groundw	vater	
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III. Migration Potential CONTAINMENT--LANDFILLS (SW-7; A-12; GW-8,9) Present? X How many? One (solid waste) Check those that apply: 1. An engineered, maintained run-on/run-off control system 2. An engineered/maintained cover without ponding 3. Unmaintained run-on/runoff control system or cover X No run-on/runoff control or no cover 4. 5. Uncontaminated soil cover greater than 6" thick 6. Uncontaminated soil cover less than 6" thick 7. Contaminated soil used as cover 8. ____A functioning vapor collection system 9. Mixing or agitation used 10. X No liner 11. Single clay or compacted soil liner (permeability ___cm/sec) 12. Single synthetic liner (permeability cm/sec) 13. ____Double liner system (permeability cm/sec) 14. Leachate collection system, maintained and functioning 15. Leachate collection system, unknown condition or not functioning 16. X Liquid wastes may have been disposed of 17. Liquid wastes were disposed of in landfill 18. Reliable evidence no liquid wastes were disposed Additional comments:

B. CONTAINMENTSURFACE IMP	POUNDMENTS	SW-7,8; A-13; GW-10,11)
Present Yes How many?	7 (settling basins	for fume dust)
Check those that apply: (S	ee Lagoon Site)	
1The dike is appare	ently sound	
2The dike is regula	arly inspected and	d maintained
There is evidence or release of cont		ion, slumping,
4Two feet of freebo	pard maintained av	utomatically
5The freeboard is no is at least 2 feet		ed so that there
6Evidence of insuf:	ficient freeboard	(<2 ft.)
7A maintained cover	-	
8Unmaintained cover	r, no cover	
9No liner		
10Single synthetic	liner	
11Single clay or con	npacted soil line	r
12Double liner		
13Working leak deter	ction system	
Evidence of loss (evaporation)	of fluid (other t	han by
Additional comments:		

C. CONTAINMENTDRUMS AND SMALL CONTAINERS	(SW-9; A-11; GW-11)
Present Yes How many? Approximately 60 64-c	ubic foot boxes
Check those that apply:	
1. X No functional containment	·
There is secondary containment capacitotal volume of containers	ty for the
There is secondary containment with cat least 110% of volume of the largest	
The secondary containment is less that volume of the largest container	n 110% of the
The containers are stored in single, layers on pallets, or in racks	or double
6The containers are stored in an unsta	ble manner
7Some containers are open or have visi	ble liquid
8Some containers are leaking	
9Containers are protected from weather	
10Containers showing deterioration	
11Containment surface is impervious	
12Containment surface has cracks or sem	i-permeable
No base material/permeable base such gravel/base materials unknown	a s
13Containment is regularly inspected an	d maintained
14Evidence of containment failure	
Additional Comments: Outdoor plastic-lined wooden boxes contain	mercury-
contaminated soil from Lab Site.	

D. (CONTAINMENTSTORAGE TANKS (SW-9; A-11; GW-11)
Prese	ent? Yes . How many? 2
Chec	those that apply:
1.	Secondary containment with a capacity of 110% of the volume of the tanks
2.	Secondary containment at least 50% of the volume of all tanks
3.	Containment system with capacity for at least 10% of volume of containers or tanks
4.	No containment, or less than 10% capacity
5.	Tank volumes maintained
6.	Automatic controls used for volume maintenance
7.	Tanks are covered
8.	Uncovered tanks have aeration, mixing, or heating of tank contents
9.	Containers sealed, protected
10.	Containers sealed, not protected
11.	Containers deteriorated
12	Containers leaking
13.	Record the #s of above which apply only to above ground tank 4 - 7
14.	Record the #s of above which apply only to below ground tanks
15.	Record the #s of above which apply to both above and below ground tanks:
- the	ents One appears to be an old underground tank which now contains PCB's other tank was used for molasses tank removed in 1989 which was underground contained gasoline - no closure report.
0116	concarned gasorine - no crosure report.

E. CONTAINMENTWASTE PILES (SW-10; A-13; GW-12,13)
Present? Yes How many? 2 (See Lagoon Site)
Check those that apply:
1Waste pile is outside, no protecting structure
2Waste pile is outside, in open structure with room
Waste pile is outside, with partial or unmaintained cover
4Waste pile is outdoors, with maintained cover
5No cover is present
6Waste pile is fully enclosed, intact building
7There is an engineered run-on/run-off control
8The run-on/run-off is maintained
9Run-on/runoff control present, unknown condition
No run-on/runoff control system present, or unknown if present
11Liner or base present;Not present.
12Single clay or compacted soil liner
13Single synthetic liner
14Double liner
15Maintained, functioning leachate collection syste
16Leachate collection system;Unknown condition; orNot functioning.
Additional comments

F. C	ONTAINMENTSPILLS, DISCHARGES, AND CONTAMINATED SOIL (SW-10,11; A-13,14; GW-13)
Check	those that apply:
1.	X Spill, discharge, or contaminated soil only in the subsurface at the siteincluding dry wells, drain fields, leaking underground storage tanks
2.	Soil contamination that has been covered partially excavated and filled with at least 6 inches of clean soil
3.	Soil contamination that has been covered or partially excavated and filled with <u>less</u> than 6 inches of clean soil
4.	Y Uncontaminated soil cover >2 feet thick
5.	No cover; orCover <2 feet, but > 6" thick
6.	Spill, discharge, or contaminated soil present at the surface in an area with maintained run-on/run-off control
7.	Spill, discharge, or contaminated soil present at the surface in an area with unmaintained run-on/run-off controls?
8.	Spill, discharge, or contaminated soil present at the surface with no run-on/run-off control or unknown controls?
9.	$\frac{\chi}{\chi}$ Contaminated soil has been disturbed or excavated and stored above grade
10.	A functioning vapor recovery system
11.	No vapor recovery system
Addit: commen	nts Contamination still present in drain hold area for former dry

G.	CONTAINMENTSITE CHARACTERISTICS (SW-11,12; A-6; GW-14; WK-5,6,8)
1.	How would you evaluate the site soils? Circle predominant textural class.
	Sand, gravel sandy gravel, well-graded sand, well-graded gravel, gravelly sand, gravelly sand loam, silty sandy loam?
	Poorly-graded sands with fines, silt-sand mixtures, loam, silt loam, sandy silt loam, clayey sand, clay sand loam?
	Clayey sands, sand-clay mixtures, clayey gravels, clay-sand-gravel mixtures, inorganic silts, clayey silt loam, silty clay loam, porous rock outcrop, sandy silty clay, sandy clay loam?
	Clay (organic and inorganic), clay loam, rock outcrop, peat, peaty clay?
	the above based on personal observation, lab analysis, or fessional judgement by a soil expert? (circle)
2.	Total annual precipitation= 8.8 in./yr (SW-12; WK-5)
3.	Max. 2-yr/24-hr precip.= 100 inches (SW-14; WK-5)
4.	Net precipitation (see 2.2, GW-13)= 3.0 in. (WK-9)
5.	Is the site <u>not</u> in a flood plain? (SW-14; WK-5) Is the site in a 500 year flood plain? X CP No. 5300360565A Is the site in a 100 year flood plain?
6.	What is the terrain slope to the nearest surface water? 2.8 (SW-14,15; WK-6)
7.	What is the subsurface hydraulic conductivity? 10^{-1} cm/sec (GW-14; WK-9)
8.	What is the vertical depth from the deepest point of known contamination to ground water? 0-25 feet (GW-15; WK-9)
	itional ments:

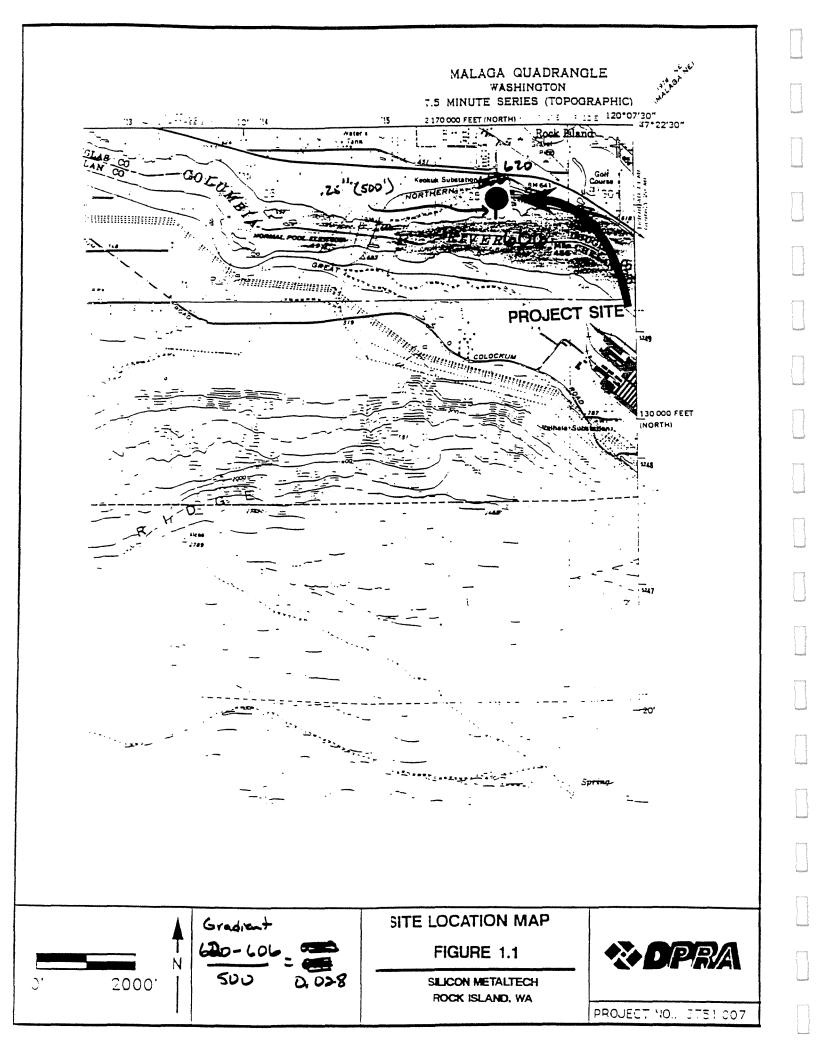
Α.	DISTANCE TO SURFA	CE WATER (SW	7-16; WK-6	5)
1.	site?	thin 10,000 fe	et (down	gradient) of the
	Name	Distft.	Obs.	Meas.
	Columbia River	500		X (topo map)

None	2?Comm	ents		
	What drinking wasite? (all lake (SW-12; WK-6)			2 miles of the downstream only)
Sou	irce	Location		Pop. Served
•				

3.	How much acreage water intakes (continued within 2 miles continued within 3 miles continued with	iownstream onl	y) or wel	ls(anywhere)
None	?			
SURF	FACE WATER: Acres	s141	(1600 a	cres max.)
Sour	cce(s) <u>Columbia Riv</u>	er, Unnamed slow	gh	;
GROU	NDWATER: Acres_	456	(4500 ac	eres max.)
Sour	cce(s) wells			

IV. Targets

4. What is the distance to the nearest fishery resource (total of <u>overland</u> distance plus <u>downgradient</u> distance)? (SW-17; WK-6)
Over 10,000 feet? Distance if less than 10,000 feet? 500 ft. Columbia River
5. What are the names of, and the distances to, the nearest sensitive environments (total of overland distances plus downgradient distances)? (SW-18; A-15; WK-6)
Over 10,000 feet? Names and distances if less than 10,000 feet: Columbia River (500 ft.)
6. Is the aquifer a federally-designated sole source aquifer? (GW-16; WK-9)
7. Is the ground water used for: (GW-16; WK-9) \[\frac{\chi}{\chi} \text{private supply} \] \[\frac{\chi}{\chi} \text{irrigation of human food crops or livestock} \] \[\frac{\chi}{\chi} \text{non-food (human) vegetation} \] \[\text{not used due to natural contaminants} \] \[\text{ground water not used, but usable} \]
8. Distance to nearest drinking water well? < 600 feet (GW-17; WK-9)
9. Is there an alternate source available to groundwater for private or public water supply? (WK-9) No Best Professional Judgement
10. Population served by drinking water wells within 2 miles? 144 (GW-17; WK-9)
Public Water Supply = 30 Private: 38 x 3 = 114 11. Distance to the nearest population? <1000 feet (A-15, 16; WK-8)
12. Population within one-half mile radius? 220 (A-16; WK-8)
Additional comments:



ATTACHMENT II

SHA DCSS

SILICON METALTECH, INC. - LAGOON SITE



STATE OF WASHINGTON DEPARTMENT OF ECOLOGY TOXICS CLEANUP PROGRAM

SITE HAZARD ASSESSMENT DATA COLLECTION SUMMARY SHEETS FOR WASHINGTON RANKING METHOD

Site
Name: Silicon Metaltech Inc Lagoon Site
Location: Rock Island, Washington
Site owner/operator: Silicon Metaltech Inc.
Address: 100 4th St., Rock Island, WA / P.O. Box 361, Wanatchee, WA 98807-036
Any other known PLP(s): Cypress - Foote & M.A. Hanna
Address: Unknown
Site Number:
Date(s) of field site hazard assessment: 4-15-91
Samples or field measurements:soil surface water
ground water
(Attach copies of pertinent sampling and analytical data, as well as all other supporting documentation.)
Photographs: Yes
Weather: Cloudy to partly cloudy, intermittent showers, 60° F
Lead inspector: Rick Horner
Other inspectors: Greg Uetrecht
Signature: Dreat letrecht

PART I: Hazardous Substances

NOTE: Page numbers (e.g. SW-2) shown in parentheses thoughout this checklist refer to the WARM Scoring Manual. WK- numbers refer to pages of the new scoring sheets (not those in the scoring manual).

A. LIST

List hazardous substances, known or suspected (check k or s), currently at the property, or that have been previously(check c or p) at the property (WK-2,3):

<u>Haza</u>	rdous Substance (K) S C (P) *	<u>Ouantity</u>	<u>Units</u>
1.	Arsenic	1	ug/l
2.	Selenium	2	ug/1
3.	Barium	82	ug/l
4.	Cadmium	.5	ug/1
5.	Lead	9	ug/l
6.	Mercury	.7	ug/l
7.	Chromium	10	ug/1
8.	Silver	2.8	ug/l
9.		- The state of the	
	tional?(list on attachment the sea available)		
Numb	er(from above) Surface Water	Air Groundwa	<u>ter</u>
3	1-8 1-8 1-8		lagoon dredge waste piles)

^{*} EP TOX (October 1988) and TCLP (March 1991) samples of fume waste are all below hazardous waste thresholds.

3. SOUR	RCES
Check th	nose known or observed (WK-3):
Χ	drums or other containers
Χ	electrical transformers
X	above ground tanks
	below ground tanks - removed in 11/27/89
X	
X	_ pipelines (other than water, sewer, or gas) floor drains
X	exterior drains for rainwater, surface waters,
	spills, etc.
	other? Identify:
. INDI	CATORS
	CATORS
heck th	ose known or observed:
X	discolored soils
X	disturbed soils
	discolored standing water
	unusual or noxious odors
	sick or dead vegetation
	_ groundwater monitoring wells
	other? Identify:
f anv a	re checked in B or C, explain details including
xact lo	cations (identify location on a map or drawing).
	(1111111)
ddition	al
nformat	ion: Drums located in paint shop & lubrication building - automoti
repair sh	nop - electrical transfromers - next to Raw Materials Building -
between s	hop & furnace building - scrapped near solid waste landfill.
Fume dust	settling basins - west and north of facility - (three active -
	ed with fume dust).
	exterior drains noted throughout facility
	d soils in crates as well as near the solid waste landfill and
	t the facility.
soll remo	ved due to mercury contamination

PART II: Releases

A. KNOW	IN OR	SUSPECTE	RELEASES			
List tho I.A. whi (WK-2,3)	.ch are	zardous s known,	substances or suspec	identifi ted, to h	ed (by number ave been rele) in eased
Substanc	e (#)	Quant.	Released	<u>Units</u>	Medium relea	sed to
1-8		See I.A.			groundwater	
Addition	al in	formation	n/referenc	e?		
List tho	se haz	zardous s		identifi	; A-9,10; GW ed (by numbe:	
			stepiles)			a
	1					
Addition	al inf	formation	n/referenc	e?		

III.	Migration Potential
Α.	CONTAINMENTLANDFILLS (SW-7; A-12; GW-8,9)
	Present? X How many? One (solid waste)
	Check those that apply:
1.	An engineered, maintained run-on/run-off control system
2.	An engineered/maintained cover without ponding
3.	Unmaintained run-on/runoff control system or cover
4.	No run-on/runoff control or no cover
5.	Uncontaminated soil cover greater than 6" thick
6.	Uncontaminated soil cover less than 6" thick
7.	Contaminated soil used as cover
8.	A functioning vapor collection system
9.	Mixing or agitation used
10.	X No liner
11.	Single clay or compacted soil liner (permeabilitycm/sec)
12.	Single synthetic liner (permeabilitycm/sec)
13.	Double liner system (permeabilitycm/sec)
14.	Leachate collection system, maintained and functioning
15.	Leachate collection system, unknown condition or not functioning
16.	X Liquid wastes may have been disposed of
17.	Liquid wastes were disposed of in landfill
18.	Reliable evidence no liquid wastes were disposed
	tional ents:

	GW-10,11)
Presen	t Yes How many? 8 (settling basins for fume dust)
Check	those that apply:
1	The dike is apparently sound
2	The dike is regularly inspected and maintained
3	There is evidence of failure, erosion, slumping, or release of contents
4	Two feet of freeboard maintained automatically
5	The freeboard is manually controlled so that there is at least 2 feet of freeboard
6	Evidence of insufficient freeboard (<2 ft.)
7	A maintained cover
8	Y Unmaintained cover, no cover
9	X No liner (one had plastic liner)
10	Single synthetic liner
11	Single clay or compacted soil liner
12	Double liner
13	Working leak detection system
14	Evidence of loss of fluid (other than by evaporation)
There	· · · · ·

B. CONTAINMENT--SURFACE IMPOUNDMENTS (SW-7,8; A-13;

C. CONTAINMENTDRUMS AND SMALL CONTAINERS	(SW-9; A-11; GW-11)
Present Yes How many? Unknown (Also see L	ab Site)
Check those that apply:	
1. χ No functional containment	
There is secondary containment capac total volume of containers	ity for the
There is secondary containment with at least 110% ofvolume of the larges	
4The secondary containment is less th volume of the largest container	an 110% of the
The containers are stored in single, layers on pallets, or in racks	or double
6The containers are stored in an unst	able manner
7Some containers are open or have vis	ible liquid
8Some containers are leaking	
9. X Containers are protected from weather	r
10Containers showing deterioration	
11Containment surface is impervious	
12Containment surface has cracks or se	mi-permeable
No base material/permeable base such gravel/base materials unknown	as
13Containment is regularly inspected a	and maintained
14Evidence of containment failure	
Additional comments: Some containers are located in buildings	and are inspected

C. CONTAINMENT--DRUMS AND SMALL CONTAINERS

D. 0	CONTAINMENTSTORAGE TANKS (SW-9; A-11; GW-11)
Prese	nt? Yes How many? 2
Check	those that apply:
1.	Secondary containment with a capacity of 110% of the volume of the tanks
2.	Secondary containment at least 50% of the volume of all tanks
3.	Containment system with capacity for at least 10% of volume of containers or tanks
4.	No containment, or less than 10% capacity
5.	Tank volumes maintained
6.	Automatic controls used for volume maintenance
7.	Tanks are covered
8.	Uncovered tanks have aeration, mixing, or heating of tank contents
9.	Containers sealed, protected
10.	Containers sealed, not protected
11.	Containers deteriorated
12	Containers leaking
13.	Record the #s of above which apply only to above ground tank 4 - 7
14.	Record the #s of above which apply <u>only</u> to below ground tanks
15.	Record the #s of above which apply to both above and below ground tanks:
comments on the	ional nts_One appears to be an old underground tank which now contains PCB's other tank was used for molasses
- one	tank removed in 1989 which was underground contained gasoline - no closure report.
0110	consumed gasoring - no crosure report.

E. CONTAINMENTWASTE PILES (SW-10; A-13; GW-12,13)
Present? Yes How many? 2
Check those that apply:
1. X Waste pile is outside, no protecting structure
2Waste pile is outside, in open structure with roof
Waste pile is outside, with partial or unmaintained cover
4Waste pile is outdoors, with maintained cover
5. X No cover is present
6Waste pile is fully enclosed, intact building
7There is an engineered run-on/run-off control
8The run-on/run-off is maintained
9Run-on/runoff control present, unknown condition
10. X No run-on/runoff control system present, or unknown if present
11. X Liner or base present;Not present.
12Single clay or compacted soil liner
13Single synthetic liner
14Double liner
15Maintained, functioning leachate collection system
16Leachate collection system;Unknown condition; orNot functioning.
Additional comments Waste pile actually represents material that has been
dredged from lagoons and placed in depressions that have now been built above grade of surrounding area.

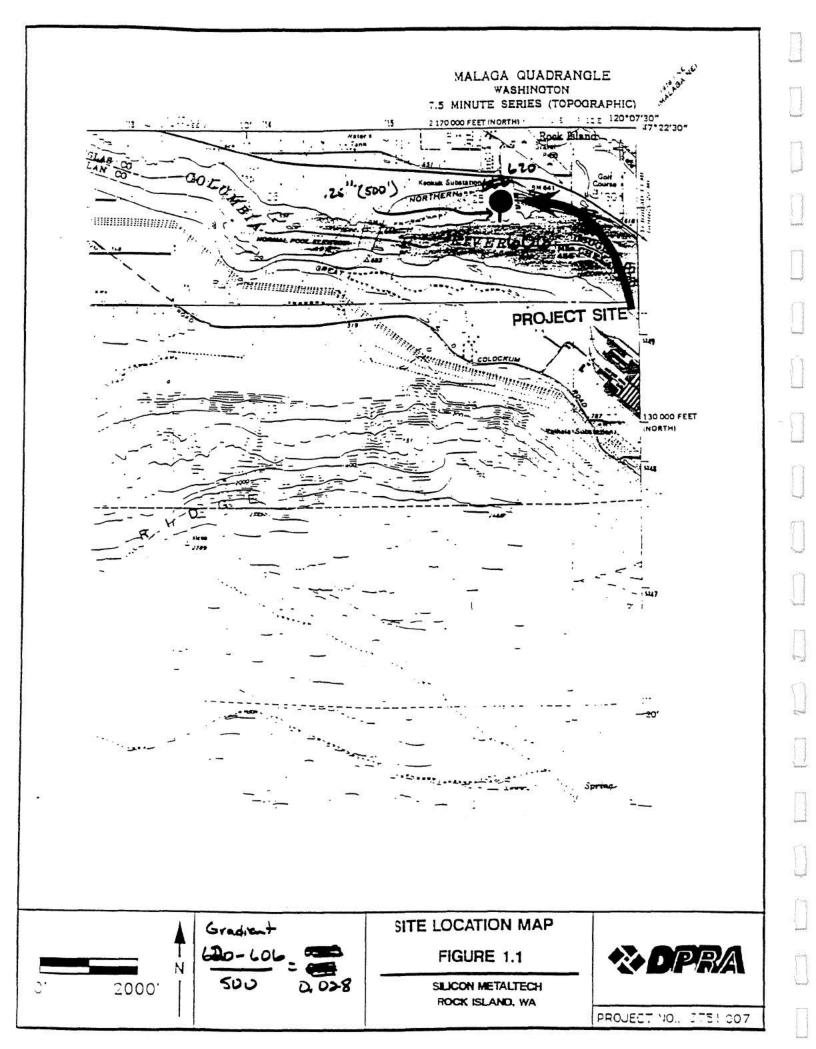
F. (CONTAINMENTSPILLS, DISCHARGES, AND CONTAMINATED SOIL (SW-10,11; A-13,14; GW-13)
Checi	c those that apply: (See Lab Site)
1.	Spill, discharge, or contaminated soil only in the subsurface at the siteincluding dry wells, drain fields, leaking underground storage tanks
2.	Soil contamination that has been covered partially excavated and filled with at least 6 inches of clean soil
3.	Soil contamination that has been covered or partially excavated and filled with <u>less</u> than 6 inches of clean soil
4.	Uncontaminated soil cover >2 feet thick
5.	No cover; orCover <2 feet, but > 6" thick
6.	Spill, discharge, or contaminated soil present at the surface in an area with maintained run-on/run-off control
7.	Spill, discharge, or contaminated soil present at the surface in an area with <u>unmaintained</u> run-on/run-off controls?
8.	Spill, discharge, or contaminated soil present at the surface with no run-on/run-off control or unknown controls?
9.	Contaminated soil has been disturbed or excavated and stored above grade
10.	A functioning vapor recovery system
11.	No vapor recovery system
	cional ents

G.	CONTAINMENTSITE CHARACTERISTICS (SW-11,12; A-6; GW-14; WK-5,6,8)
1.	How would you evaluate the site soils? Circle <pre>predominant</pre> textural class.
	Sand, gravel sandy gravel, well-graded sand, well-graded gravel, gravelly sand, gravelly sand loam, silty sandy loam?
	Poorly-graded sands with fines, silt-sand mixtures, loam, silt loam, sandy silt loam, clayey sand, clay sand loam?
	Clayey sands, sand-clay mixtures, clayey gravels, clay-sand-gravel mixtures, inorganic silts, clayey silt loam, silty clay loam, porous rock outcrop, sandy silty clay, sandy clay loam?
	Clay (organic and inorganic), clay loam, rock outcrop, peat, peaty clay?
Is t	the above based on personal observation, lab analysis, or fessional judgement by a soil expert? (circle)
2.	Total annual precipitation= 8.8 in./yr (SW-12; WK-5)
3.	Max. 2-yr/24-hr precip.= 1 0 inches (SW-14; WK-5)
4.	Net precipitation (see 2.2, GW-13)= 3.0 in. (WK-9)
5.	Is the site <u>not</u> in a flood plain? (SW-14; WK-5) Is the site in a 500 year flood plain? X CP No. 5300360565A Is the site in a 100 year flood plain?
6.	What is the terrain slope to the nearest surface water? 2.8 (SW-14,15; WK-6)
7.	What is the subsurface hydraulic conductivity? cm/sec (GW-14; WK-9)
8.	What is the vertical depth from the deepest point of known contamination to ground water? $0-25$ feet (GW-15; WK-9)
	tional ments:

G.

IA.	Targets			
Α.	DISTANCE TO SURFAC	E WATER (SW	-16; WK-6)	
1.	What surface water etc.) is/are with site?			
		Distft.	Obs.	Meas.
	Columbia River	500		X (topo map)
None	?Comme	nts		
2.	What drinking wat site? (all lake i (SW-12; WK-6)			
Non	e ?χ			
		Location		Pop. Served
3.	How much acreage water intakes (do within 2 miles of	wnstream only) or wells	(anywhere)
None	?			
SURF	ACE WATER: Acres_	141	(1600 acr	es max.)
Sour	ce(s) Columbia River	, Unnamed sloug	gh	<i>;</i>
GROU	NDWATER: Acres4	56	(4500 acre	es max.)
Sour	ce(s) wells			

4. What is the distance to the nearest fishery resource (total of <u>overland</u> distance plus <u>downgradient</u> distance)? (SW-17; WK-6)
Over 10,000 feet? Distance if less than 10,000 feet? 500 ft. Columbia River
5. What are the names of, and the distances to, the nearest sensitive environments (total of overland distances plus downgradient distances)? (SW-18; A-15; WK-6)
Over 10,000 feet? Names and distances if less than 10,000 feet: Columbia River (500 ft.)
6. Is the aquifer a federally-designated sole source aquifer? (GW-16; WK-9)
7. Is the ground water used for: (GW-16; WK-9) y private supply y public supply irrigation of human food crops or livestock non-food (human) vegetation not used due to natural contaminants ground water not used, but usable
8. Distance to nearest drinking water well? < 600 feet (GW-17; WK-9)
9. Is there an alternate source available to groundwater for private or public water supply? (WK-9) No Best Professional Judgemen
10. Population served by drinking water wells within 2 miles? 144 (GW-17; WK-9)
Public Water Supply = 30 Private: 38 x 3 = 114 11. Distance to the nearest population? <1000 feet (A-15, 16; WK-8)
12. Population within one-half mile radius? 220 (A-16; WK-8)
Additional comments:



			2.63	WASHINGTO	A STATE OF		18	21			1.00
20	500 505 0 0 0 es me	FUELIC (MATER SU	PPLY SYSTEM	LISTIN	IG TO THE STATE OF		THE R			402/24-1
II (N).	SYSTEM NAME	COUNTY		CLASS							in Dawner
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	BACTI SAMPLING SCHEDULE POPULATION	JAN FEB	MAR	AFR MAY	זאנונ	JUL.	FUH	SEF	G . 1	1100 65	r.
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	COUNTY ANNEX BLOG	WENATCHEE, WA	98801		0						
	Bacti: 1/month			13	o 				t tankani me		agency of a comprehensive of a filterial
	Perm: 1 Source: 1	SFRING FRI.				NONE.				21N 2	OE 18
386640	"CROWN ESTATES NO. 1	CHELANT		Class:	4				or room	ECSPC 00 000	
	4401 JOE MILLER ROAD	MALAGA, WA	78828								
EL	Mgr: GARY KING	(509) 68	53-2901	9	G						
	Bacti: once/12 months Perm: 40					TOTAL SE S	9770	5. 55. 000 55.00			
	Source: 1 CROWN WELL #1	WELL PRI.		158'	15	NONE.			N 844 - L	21N 3	IE SE
297519	LAUREL HILL SERVICE ASSOCIATION	CHELAN		Class:	2						
	5316 BIG SPRINGS RANCH ROAD	WENATCHEE, WA	78801								
	Mgr: RON ROWLAND Bacti: once/ 3 months (*)	66	52-1701	17-	18						
V.	Perm: 50										
	Source: 1 SPRING #1	"SPRING FRI."		123,	12	NONE.	· · · · · · · · · · · · · · · · · · ·			21N-2	1E-7
	Source: 2 SPRING #2	SPRING FRI.				NONE.					1E 7
	Source: 3 WELL	WELL PRI.		185'	12	NONE.				21N 2	21E 7G
84056W	STEMILT IRRIGATION DISTRICT	CHELAN		Class:	2						
	6001-16 STEMILT LOOP RD.	WENATCHEE, WA	4 48801			-					
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	Perm: 168										
	4734 3 1 V 104	SPRING FRI.			70	CLZ.				·· - 21N 2	21E 140
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73380V	The second contract the second second	11 Cont 10 Con			4						
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Clallam

STATE OF WASHINGTON
FUBLIC WATER SUPPLY SYSTEM LISTING
HZD/SITES/TOXICS-SPO

FAGE 65 02/16/69

		11227311237	f 1 -4 + # -	XI 95 80	S1	25 S S I	10.00
ID NO.	SYSTEM NAME SYSTEM MAILING ADDRESS MANAGER/OWNER NAME BACTI SAMPLING SCHEDULE POPULATION	# D S	R MAY	JUN JUL	 AUS SEP GCT	NOV DEC	
	SOURCE NO. SOURCE NAME	CATEGORY TYPE INTERTIE	DEFTH CAPAC	ITY" TREATMEN	T	TWP RNG SEC	
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,	v	662-0771	2	Ö			Ŷ
w	Perm: 10	Service in the second		ecos es secesar	y was recorded to		:
	Source: 1 WELL	WELI PRI.	331	15 NONE.		22N 19E 13	
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		WENATCHEE, WA 98801		2.50			į
	Mgr: (b) (6) Bacti: once/12 months	(509) 662-0771	2				
	Perm: 10						
	Source: 1 WELL A	WELL FRI.	461	22 NONE.		22N 19E 13	
41114M	HUGHES/MAIN WATER SYSTEM	CHELAN	Class: 4				ĺ
	2138 CHAPMAN RD.	WENATCHEE, WA 98801					1
	Mgr : DAVID HUGHES	(509) 663-1024	2				
	Bacti: once/12 months Perm: 5						
	Source: 1 WELL	WELT PRI.	4007	II NONE.		22N 20E 22A	
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	Source: 1 WELL #1	WELL PRI.	1961	37 NONE.		22N 20E 24	
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379210	K B ALLOYS, INC.	CHELAN	Class: 3				:
37 72 10	4400 KAWECK I ROAD	MALAGA, WAT 98828	01052. 3				
			72	7727			þ
	Mgr: ROBERTA MODDY Bacti: once/ 3 months (*)	(509) 663-2165	0	O		SOR O A TO BE SERVED AND OWN	32 F

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	Bacti: once/12 months			ARROAD OF DATE		
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	Bacti: Once/12 months					
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	Mgr: FETE CAWDERY	(509) 662-1356	166			
	Racti: 1/month					
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93986T	(b) (6)	r HELDATI Tanlingas - No 95000	Class: .			
	(b) (6)	(2 7) 243-74%	315			
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	Mgr: ARCHIE SASSER	(5-7) 563-79-0	6			
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B3140x	THREE LAKES WATER DISTRICT	116164	f.1 :			
	P D BGX 272 Mgr: LINDA WOOD	And fairs Win Yell's	commonwell interest (c) . All			
	Mgr: LINDA WOOD	653-7475	1.4			
	Bacti: 1/month Perm: 42					

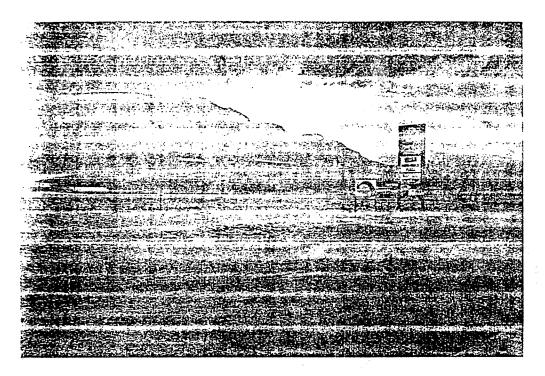
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Mar

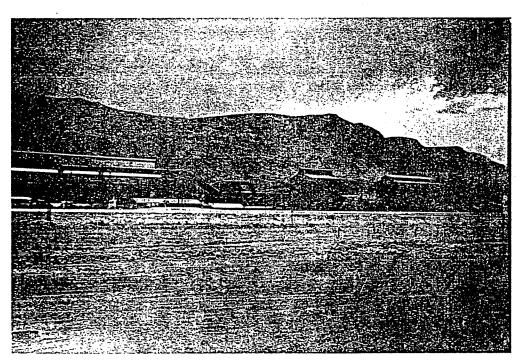
公門

ATTACHMENT III PHOTOGRAPH LOG SILICON METALTECH, INC.

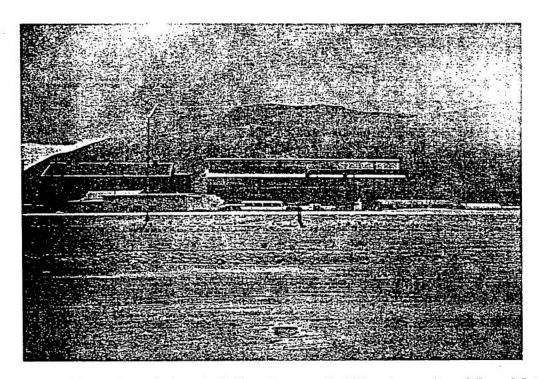
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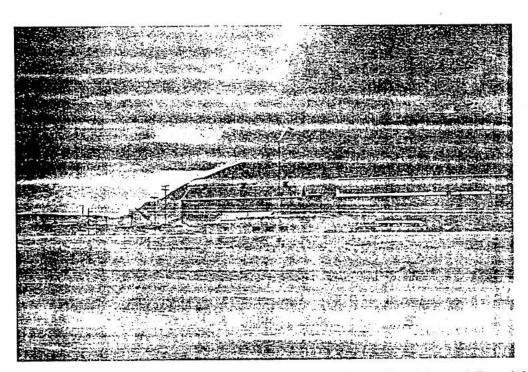
Bag Houses located at north end of plant; view is to the northwest.



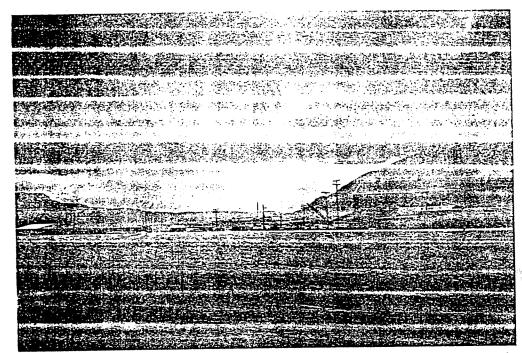
Bag Houses and duct-type work that carries fume dust to Bag Houses; view is to the northwest.



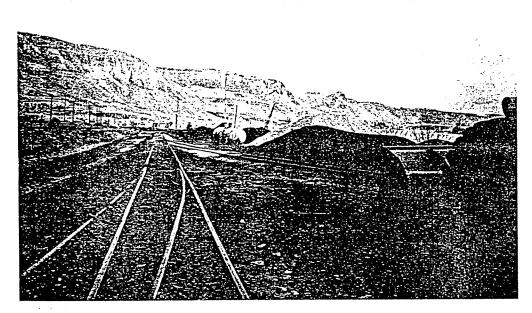
Main Portion of Plant including Furnace Building (center) and Raw Materials Building; view is to the west.



Main Portion of Plant including Furnace Building is to the right and Raw Materials Building is in the center; view is to the southwest.



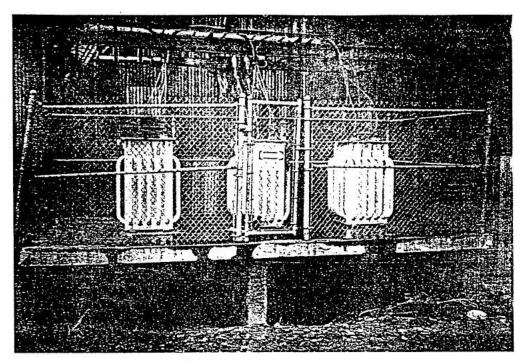
View of EZ Auto Wrecking in front of Silicon Metaltech where many 55-gallon drums are stored.



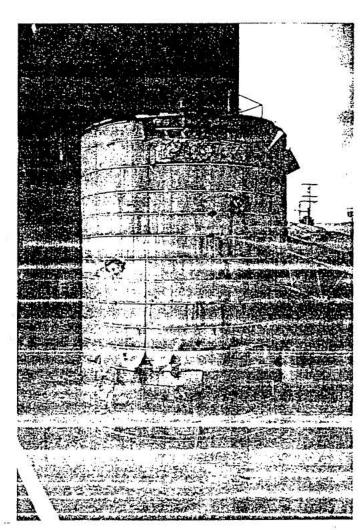
View of Raw Materials Storage Area (black material is coal, white material is quartzite) and propane tank; view is to the south.

The second of the second of the second

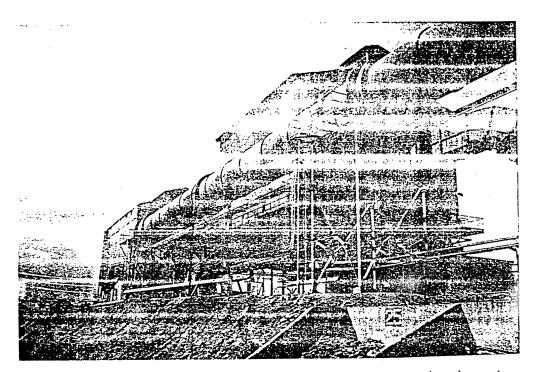
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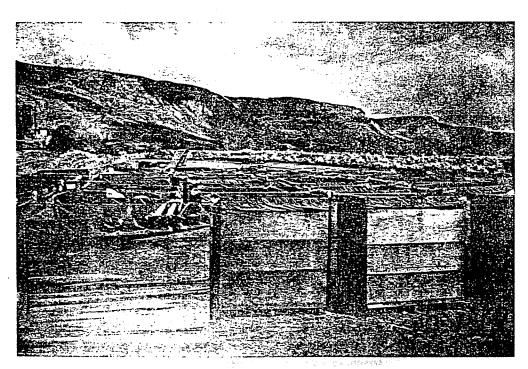
7 Block of transformers located next to Raw Materials Building; view is to the east.



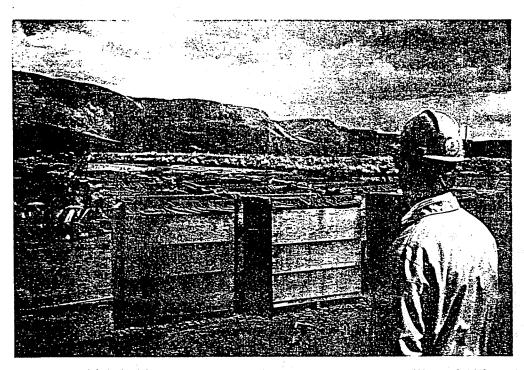
Above-ground molasses (liquid) tank which is used as a binder for briquets in furnaces; view is to the northeast.



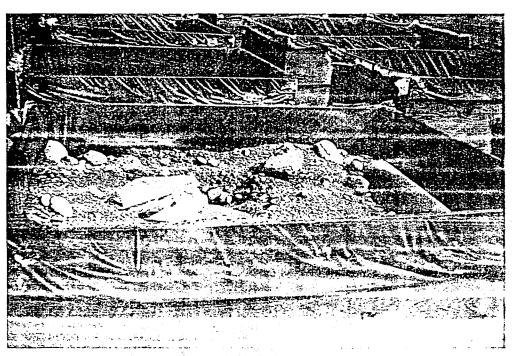
9 Duct-type work which carries fume dust to Bag Houses; view is to the north.



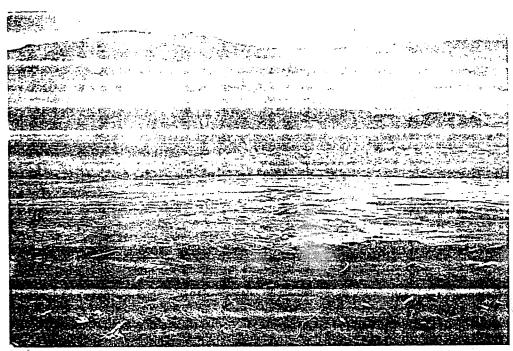
10 Crates which hold mercury-contaminated soil; view is to the southeast.



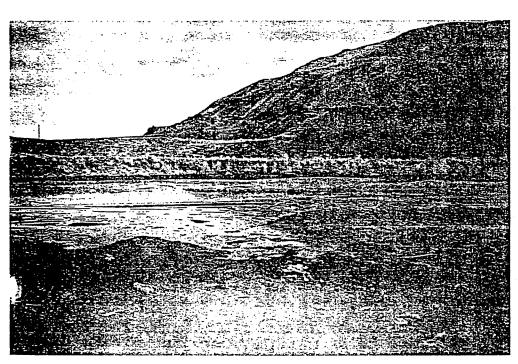
Crates which hold mercury-contaminated soil. Robert Miller of Silicon Metaltech is pictured.



12 Close-up view of mercury contaminated soil and drain piping.

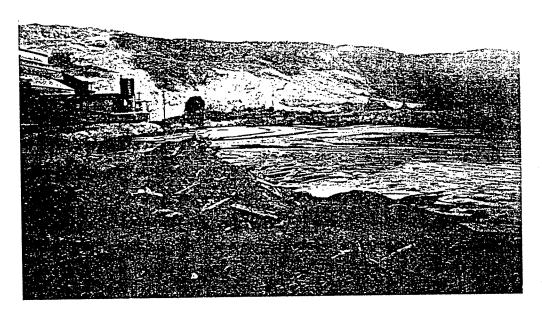


Former fume dust settling pond, due west of main building. Rainwater currently is present in pond; view is to the west.



Former fume dust settling pond, due west of main building; view is to the west.

14



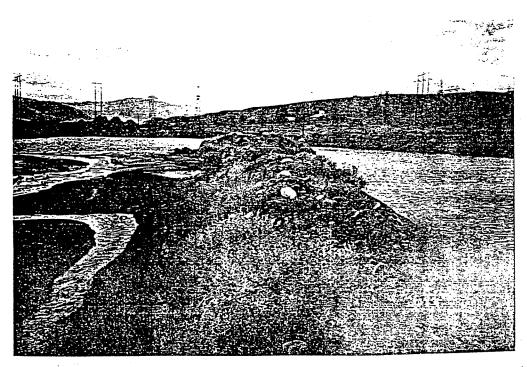
Former fume dust settling pond; view is to the southeast.



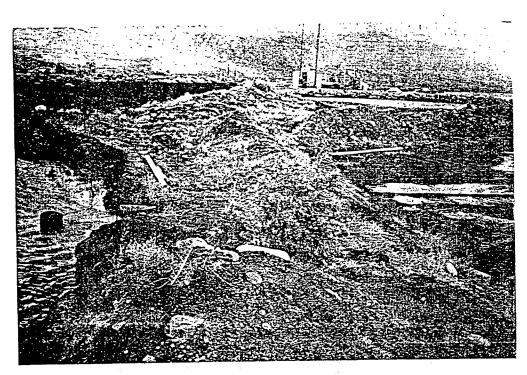
16 Solid waste disposal area; view is to the north.



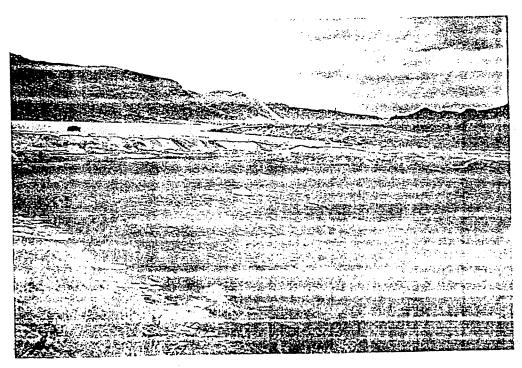
Active fume dust settling ponds. Water flows into Pond #1 and then toward top of photograph, then to the right to Pond #2; view is to the north.



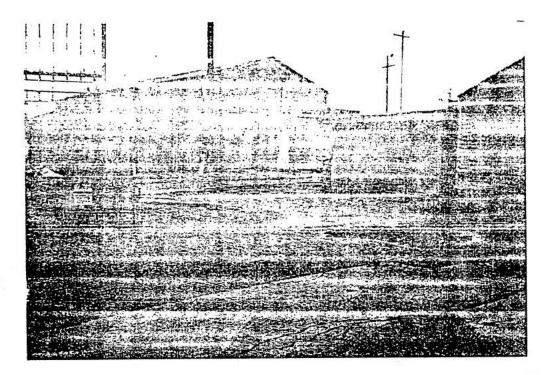
Water flows from settling Pond #1 on left to Pond #2 on right; view is to the north.



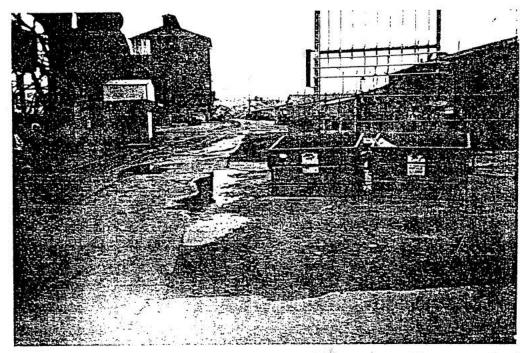
19 Water flows from Pond #2 (left) to Pond #3 (right); view is to the east.



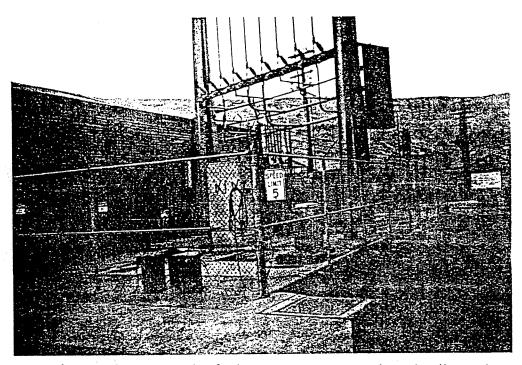
Inactive pond that is lined with plastic. Columbia River in background; view is to the south.



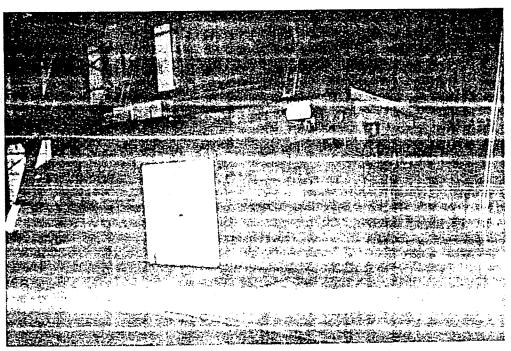
Area where mercury-contaminated soil was removed and placed in crates; view is to the northeast.



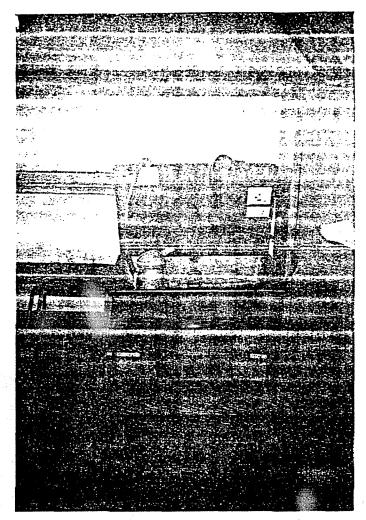
Area where mercury-contaminated soil was removed and placed in crates. Drain-field formerly flowed toward asphalt; view is to the north.



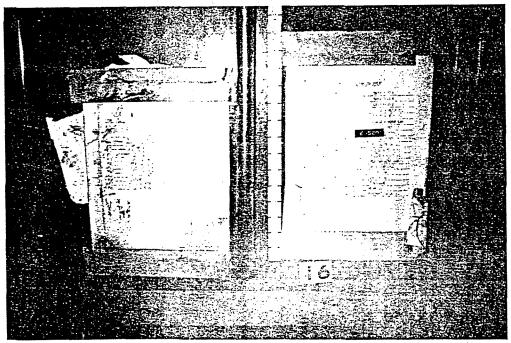
Transformers located north of where mercury-contaminated soil was located; view is the southeast.



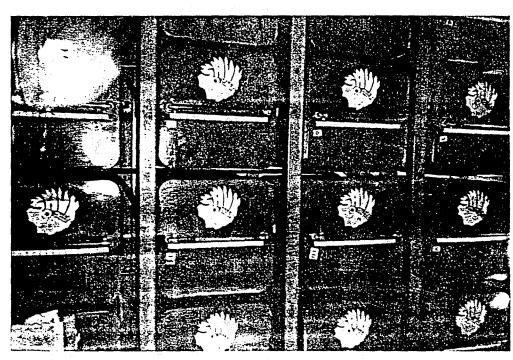
24 Glycol Building; view is to the west.



25 Safety Kleen parts cleaner station.



26 Lubricants storage building with list of lubricants used at the facility.



27 Lubricants stored at facility.

ATTACHMENT IV

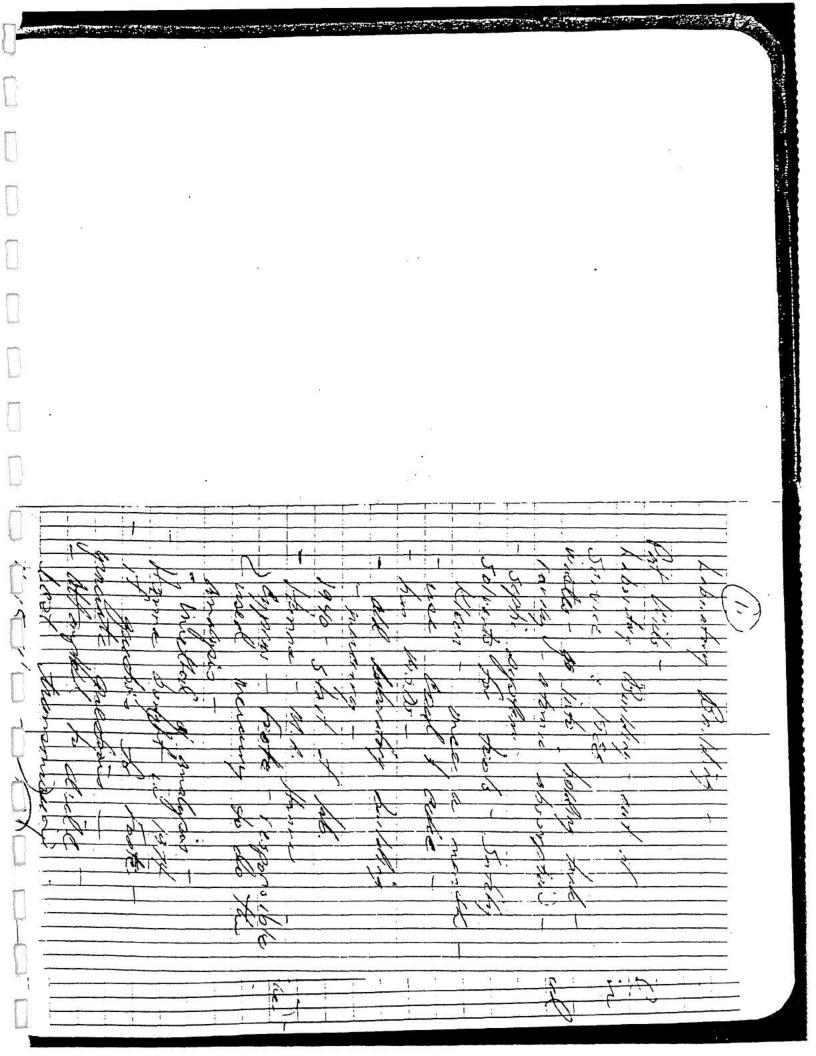
FIELD NOTES

SILICON METÄLTECH, INC.

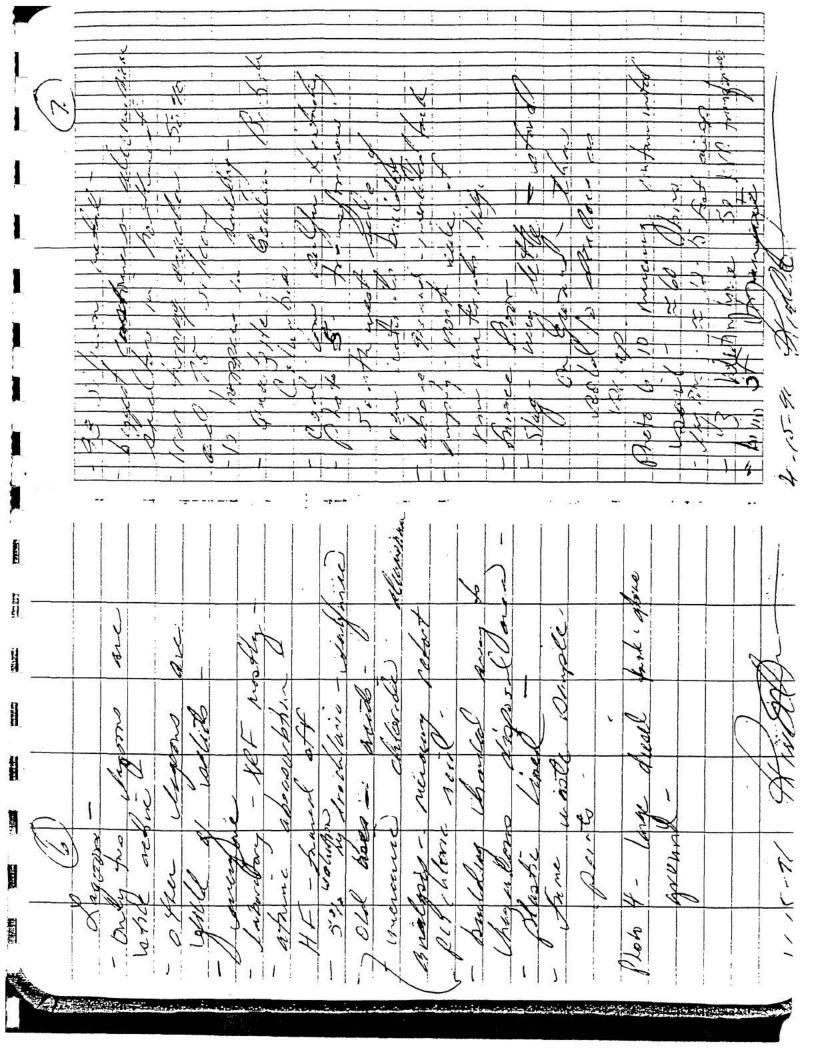
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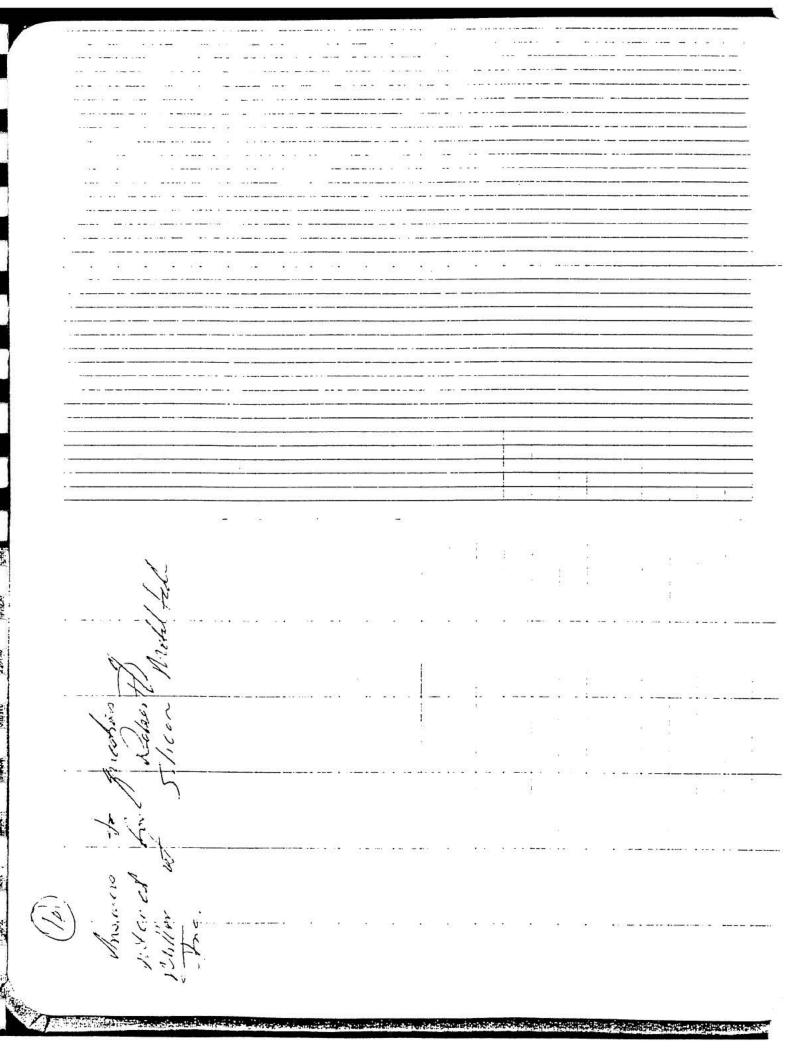
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Telephone	
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ATTACHMENT V

NEARBY WELL LOGS

SILICON METALTECH, INC.

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1 1

Township, Range, and Section Diagram for Determining Well Data Collection Needs

OPKR INC.

FROM.

File Original and First Copy with Department of Ecology Second Copy—Owner's Copy Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No.

	OWNER: Name Siliest MalTest	Address PO Box 36/ Wang Teler Tra 98 507.
	OWNER: Name STITES MIETTE-TE	
121	LOCATION OF WELL: County Douglas	. 54 NE x Sec 15 T 32- N. R 21 W.
(2)	STREET ADDRESS OF WELL (or nearest address) 1000 4 500	TReck Island Was 98850
(23)		
(3)	PROPOSED USE: Domestic Industrial Municipal DeWater Test Well Content Dewater	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION Formation: Describe by color, character, size of material and structure, and sho
	TYPE OF WORK Owner's number of well 1, 1, -1/ # /i	Thickness of aquiters and the kind and nature of the material in each stratum penetrate with at least one entry for each change of information.
(4)	/ (II more man one)	MATERIAL FROM TO
	Abandoned P New well	
	Reconditioned	casing Lut is
(5)	DIMENSIONS: Diameter of well 4 inches.	
(3)	washing the source of the sour	" Relevi acres d
	Drilledfeet. Depth of consisted wellft.	
(6)	CONSTRUCTION DETAILS:	Parforated pressure
	Casing installed:t. Diam. fromft. toft.	Grow. Tal To TOP WITH
	Welded Liner installed Liner i	
	Threaded Diam.from ft.to ft.	proTland coment + 4/10
et de	Perforations: Yes H No	
	Type of perforator used Ratary Riv.	Genterita
	SIZE of perforations in. by in. by in.	
757	perforations from	
7	Row's perforations from th. to th.	15 = sacks Cament
-	perforations from ft. to ft.	I sack Bentenite
	Screens: Yes No L	
_	Manufacturer's Name	
	Type Model No	
	Diam. Slot size from ft. Diam. Slot size from ft. to ft.	
	the state of the s	
	Gravel packed: Yes No Size of gravel	
	Gravel placed from tt. to tt.	
	Surface seal: Yes No To what depth?tt.	
	Material used in seal	
	Did any strata contain unusable water? Yes No	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	Type of water? Depth of strata	
	Method of sealing strata off	
(7)	PUMP: Manufacturer's Name	1:.5 4 8 .55
	Туре:	
(8)	WATER LEVELS: Land-surface elevation shows mean sea level	<u> </u>
	Static level ft. below top of well. Date	
	Artesian pressure lbs, per square inch_Date	
	Artesian water is controlled by(Cap. vaive. etc.))	
(9)	WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 11- 37 15 Exampleted 12-1 195
3 18	Was a pump test made? Yes No If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:
	Yield:gal./min. withft. drawdown afterhrs.	I constructed and/or accept responsibility for construction of this we
		and its compliance with all Washington well construction standard
-		Materials used and the information reported above are true to my be knowledge and belief.
	Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	7-05 - 1
	Time WaterLevel Time WaterLevel Time WaterLevel	NAME 2 6 Drilling
_		(PERSON, FIRM, OR-CORPORATION) (TYPE OR PRINT)
		Address 342NW 27 5T F. Wan. 4 41 95507
	Date of test	11000
		(Signed) Supplied Day Continue No. 0785
	Bailer test ft. drawdown after hrs.	Contractor's
	Airtest çal./min, with stem set at ft. for hrs.	Registration VERD. 132 Whate 12-34 195
3	Artesian flow	AND THE CONTRACTOR AND THE CONTR
	remperature of water was a chemical analysis made? Yes NO	(USE ADDITIONAL SHEETS IF NECESSARY)

File Original and First Copy with Department of Ecology Second Copy—Owner's Copy Third Copy—Driller's Copy

WATER WELL REPORT

Project # 36-88

STATE OF WASHINGTON

Water Right Permit No. .

V	OWNER: Name SILICON THEIT -ch	Address PO Bex 361 Weisekhe wa. 983
(2)	STREET ADDDRESS OF WELL (or nearest address)	Treet Rock Island In 98850
(23)		T
(3)	PROPOSED USE: Domestic Industrial Municipal DeWater Test Well P Other	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPT Formation: Describe by color, character, size of material and structure, and thickness of aquifers and the kind and nature of the material in each stratum pene
(4)	TYPE OF WORK: Owner a number of well well no. 1 27'	with at least one entry for each change of information.
		MATERIAL FROM TO
	Abandoned New well	
(5)	DIMENSIONS: Diameter of well 4 inches.	i I
8) T (6)	Drilledfeet. Depth of completed well 27 ft.	Casing entoss
(6)	CONSTRUCTION DETAILS:	n' helan a und
	Casing installed: fi. to ft. to ft.	2 below grand
	Welded * Diam. from ft. to ft.	1 1 2 7 1
	Liner installed Threaded Diam. from ft. to ft.	petforaled
	Type of perforator used KeTaliaf 21-	pressure granted
	SIZE of gerforations in. by in. by	To Top WITI
	900 perforations from -5 ft. to 2.7 ft.	
4	P.CL.5 perforations from tt. to tt.	PerTlant Cament+4%
100	perforations from ft. to ft.	Bentonite
	Screens: Yes No	
	Manufacturer's Name	9 th darks Comment
B.	Type Model No	V Sait BenTauTi
"	Diam Siot sizetromft. toft.	13 12 12 12 12 12 12 12 12 12 12 12 12 12
300	Diam Slot sizetromtt. tott.	
	Gravel packed: Yes No Size of gravel	
	Gravel placed from tt. to tt.	
	Surface seal: Yes No To what depth?ft.	
	Material used in seal	
	Did any strata contain unusable water? Yes No	
	Type of water?Depth of strata	
	Method of sealing strata off	n=c 2 8 € 35 ;
(7)	PUMP: Manufacturer's Name	<u>[150 7 0 7 3 1 1 </u>
.,		
	Туре:	
(8)	WATER LEVELS: Land-surface elevation above mean sea levelfi.	
	Static level ft. below top of well. Date	
	Artesian pressurelbs. per square inch_Date	
	Artesian water is controlled by(Cap, vaive, etc.))	7, 2
9)	WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 11-3= 195 Exempleted 12-1 .19
	Was a pump test made? Yes No Hyes, by whom? Yield:	WELL CONSTRUCTOR CERTIFICATION: I constructed and/or accept responsibility for construction of this and its compliance with all Washington well construction stand Materials used and the information reported above are true to my knowledge and belief.
25	Time Water Level Time Water Level	NAME 5 13 5 Dr. 1/1 15 a (PERSON, FIRM, OF CORPORATION) (TYPE OR PRIN
		Address 342 NW 27751 F. Waratohan Wa
	Date of lest	(Signed) Remarked Boy Cloense No 0780
53	Beiler test pal./min. with ft, drawdown after hrs.	Contractor's (WELL DRILLER)
	Airtest pai./min, with stem set at ft, for hrs.	Registration F BD 130Nbate 12-26 19
	Artesian flow g.p.m. Date	No
	Tamparature of water Was a special analysis model? Vos 11.	201 20

File Original and First Copy with Department of Ecology.

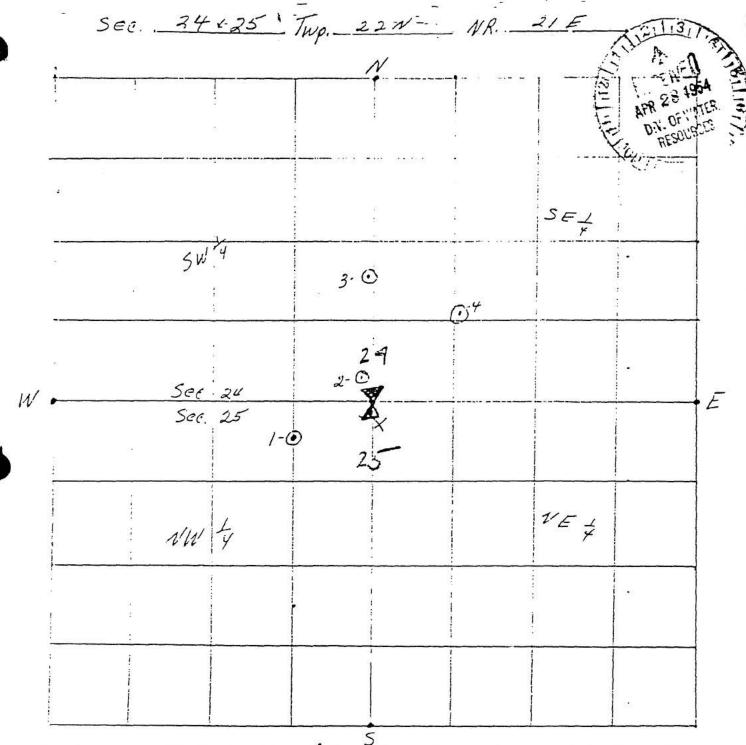
WATER WELL REPORT

Start Card No. 01/019

	nd Copy—Owner & Copy Copy—Driller & Copy STATE OF V	Washington Water Right Permit No.		(A)
1)	OWNER: Name SIK-I CON METALTECH INC	Address PO Box 361 Wenatche	e Wi	4
(2)	STREET ADDDRESS OF WELL (or nearest address) Rockislan	GOU LOT, 2 x sec 25	22 N. R	21 _{wm}
(3)	PROPOSED USE: Domestic Industrial Municipal DeWater Test Well Other	(10) WELL LOG or ABANDONMENT PROCED Formation: Describe by color, character, size of material	and structure.	and show
(4)	TYPE OF WORK: Owner's number of well Re phacement No 2	thickness of aquifers and the kind and nature of the material i with at least one entry for each change of information.	n each stratum	penetrated.
300.50	그는 그 그는 그는 그는 그는 그들은 그들은 그들은 그들은 사람들이 얼마나 아니는 그는 그는 그는 그를 가는 것이 없었다. 그들은 그는 그를 가는 것이 없었다. 그들은 그는 그를 가는 것이 없었다.	MATERIAL	FROM	то
	Abandoned New well Nee well Cable State Driven Capted Reconditioned State Rotary State Sta	GraveL	10	19
(5)	DIMENSIONS: Diameter of well 20 inches.	SAND + GRAVEL	19	71
	Drilled 105 feet. Depth of completed well 105 ft.	Water Berning SAND	7/	105
(6)	CONSTRUCTION DETAILS:			
	Casing installed: 20 · Diam. from 0 n. to 74 n. Welded	Bed Rock	105	
	Perforations: Yes No X		i i	
	Type of periorator used			
	SIZE of perforations in. by in.	t)	! !	
			i .	
			1 1	
V SSIL	Screens: Yes X No.	£		
	Manufacturer's Name Jo Hrs Ton .		1 1	l
	Type / C/C Model No			
	Diam. 18" Slot size /00 from 74 h. to /0.5 h.			
	Diam. Slot size from th. to th.		i	
	Gravel packed: Yes No Size of gravel			
M-197	Surface seal: Yes No Towned depth? 18 H. Material used in seal Grout (cement)		i	
	Did any strata contain unusable water? Yes No X Type of water? Depth of strata			· · · · · · · · · · · · · · · · · · ·
	Method of sealing strata off			
(7)	PUMP: Manufacturer's Name			
	Туре:	N = P = P =		
(8)	WATER LEVELC. Land-surface elevation	* C C	i	
	Static level 30 th. below top of well Date 10 - 90	, u , é	<u>*- </u>	
	Artesian pressure lbs. per square inch. Date			
70.002.0	Artesian water is controlled by(Cap, valve_etc.))	Saab G	OCT	
(9)		Work started Sept . 195@completed	<u> </u>	
VI USES	Was a pump test made? Yes No L If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION: I constructed and/or accept responsibility for c	onstruction of	this well
	Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	and its compliance with all Washington well of Materials used and the information reported about knowledge and belief.		
	Time WaterLevel Time WaterLevel Time WaterLevel	NAME GLESSHER WELL Drill (PERSON, FIRM, OR CORPORATION)	The Property of the	
		Address ST RT Box 55 MANS FI		
	Date of test	(Signed) albeit Tessur Licer	se No. 13)	72_
	Bailer test gal./min. with ft. drawdown after hrs.	Contractor's (WELL DRILLER)	ž.	
	Artesian flow p.p.m. Date	Registration No. Date 10 - / 3) -	192'C
	Temperature of water Was a chemical analysis made? Yes No 📈	- (USE ADDITIONAL SHEETS IF NEC	ESSARY)	

Temperature of water _____ Was a chemical analysis made? Yes ☐ No ₩

License No. Date 3 / / 3 1976



Show by a cross (X) the location of the well or other works covered by the application or declaration. Show by circle (0) the locations of other wells or works within a quarter of a mile. Also indicate traveling circutions from nearest town on main highway.

Scale: 1 inch = 800 feet.

X. Town of Rock Island well, located in Lot 4, Flock 1, Town of Rock Island, Douglas County.

^{1.} Jack Morton

¹¹⁴⁴ feet

^{2.} A. J. Follett

⁴¹⁰ feet

^{3.} Joe Sanders

¹²³⁶ feet

^{4.} Mr. Pace

¹¹⁴⁴ feet

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WATER WELL REPORT

Application No.

STATE OF WASHINGTON Permit No. (1) OWNER: Name (b) (6) Address Sox 43, Rock Island, Ua, NE, NK, Sec 25 T22 N R Douglas (2) LOCATION OF WELL: County..... earing and distance from section or subdivision corner (10) WELL LOG: (3) PROPOSED USE: Domestic I Industrial | Municipal | Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation. Irrigation [Test Well [Other Owner's number of well (4) TYPE OF WORK: MATERIAL (if more than one) ... New well Method: Dug Bored | Ø 10 Gravel _ scil Cable [Driven [Deepened 35 10 Hard gravel Reconditioned [Rotary D Jetted 🔲 55 50 Travel clay (5) DIMENSIONS: inches. 50 Tater Drilled 50 ft. Depth of completed well 50 ft. (6) CONSTRUCTION DETAILS: Casing installed: 6 "Diam. from +1 Threaded [Welded 1 _" Diam. from ft. to Perforations: Yes | No 1 Type of perforator used..... SIZE of perforations ______ in. by _____ in. ____ perforations from _____ ft. to _____ ft. perforations from _____ ft. to _____ ft. perforations from ______ ft. to _____ ft. Screens: Yes | No | Manufacturer's Name..... _____ Model No..... Туре..... Diam. ____ Slot size ____ from ____ ft. to ____ ft. Diam. ____ ft. to ____ ft. Gravel packed: Yes | No I Size of gravel: Gravel placed from _____ ft. to _____ ft. Surface seal: YesX No To what depth? _____20__ ft. Material used in seal ____Bentonite ____ Did any strata contain unusable water? Type of water? ____ Depth of strata ____ Method of sealing strata off..... (7) PUMP: Manufacturer's Name Туре: 1. U% (8) WATER LEVELS: Land-surface elevation above mean sea level.... Static level 25 tt. below top of well Date 3/1/35 DE ARTHEYT OF Artesian pressure _____lbs. per square inch Date._____ Artesian water is controlled by.....(Cap, valve, etc.) ENTRAL MEGIT Drawdown is amount water level is lowered below static level (9) WELL TESTS: 0/1/05 Work started... 19_..... Completed...... Was a pump test made? Yes . No Ti If yes, by whom?..... WELL DRILLER'S STATEMENT: Yield: gal./min. with ft. drawdown after hrs. ** This well was drilled under my jurisdiction and this report is .. true to the best of my knowledge and belief. Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) NAME Vernon L. Rank
(Person, firm, or corporation) Water Level | Time Water Level | Time (Type or print) 5503 Ahtanum Rd. Yakima, Wa. 98903 Date of test (Well Driller) ___gal./min. with_____ft. drawdown after____ 7/30/85 ____g.p.m. Date.____ File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy

WATER WELL REPORT -

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DOWNER: Name Do Copies Downers Do Copies Downers Do Copies Downers Dow	(b) (6)	-	-(b) (6)			0 1 5	
LOCATION OF WELL: Country Designation of the production of the program and distance tom section of subdivision corner (0) (6) 3) PROPOSED USE: Demento (P Industria) Municipal 3) PROPOSED USE: Demento (P Industria) Municipal 4) TYPE OF WORK: Designation Test Well Other New well Different Country Country New well Different Country Country New well Different Country Country New well Different Country Different Note Different Differen	1) OWNER: Name. (D) (O)	<u> </u>	. Address (D) (O)			Rock Is	Land 97
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Reconditioned Delate to deal Delate of the Date of Completed well So Dimension St. Diameter of well So Inchest Druke St. St. Diameter of well So Inchest Druke St. St. Diameter St. St. Diameter St. St. Diameter St. St. Diameter St. St. St. Diameter St. Diamet		(1) 100 mm	Top	50%	<u></u>		3
5) DIMENSIONS: Diameter of well & Inches. Drilled 5.7 ft. Drilled 5.7 ft. Depth of completed well 5.7 ft. 6) CONSTRUCTION DETAILS: Casing installed!		[공유일다. 대통하다 -] 학교 (18) (20) (20) (20)					
Detect 5 1. 1. Depth of completed well 5 1. 6) CONSTRUCTION DETAILS: Casing installed: 6 Diam from 1. to 54 ft. Threeded 1 Diam from 1. to 54 ft. Threeded 2 Diam from 1. to 6 ft. Welded 6 Diam from 1. to 6 ft. Perforations: Yes 0 No 6 To what depth? Size of perforations from 1. to 6 ft. Diam Side size from 1. to 6 ft. Care 9 a Sand 7 75 54 Reck 75 54 R	an promisions		Rock	3"TO	8 dia.		
6) CONSTRUCTION DETAILS: Casing installed:	Drilled 5 ft. Depth of completed		Some	Clay	Brown	3	
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Welded G "Diam from ft. to ft. Perforations: yes No B Type of perforations from ft. to ft. Screens: yes No B Manufacturer's Name Type No B Size of gravel. Gravel packed: yes No B Size of gravel. Gravel packed: yes No No B Size of gravel. Gravel packed: yes No D To what depth? 19 ft. Material used in seal Factor 17 ft. Material used in seal Factor 17 ft. Material used of sealing strats of MA Size of gravel. Type of water? Depth of strata / Y Size of year of the ft. SUMATER LEVELS: Landourisate direction 10 ft. (S) WATER LEVELS: Landourisate direction 10 ft. below top of well Date \$2.2.33 testian level Yes in below to perforation with ft. drawdown after has a pump test made? Yes In the Borourisate direction 10 ft. (S) WELL TESTS: Drawdown is amount water level is lowered below static level. Was a pump test made? Yes In No GI yes, by whom? Yield: "In the Water Level Time Water Level		7.7		5 45 129/MVV AUDI			
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Manufacturer's Name Type Model No Diarn Slot size from fi. to fi. Gravel packed: Yes No Size of gravel: Gravel packed: Yes No To what depth? P Material used in seal. Set Toh i No Did any strata contain unusable water? Yes No Type of water? Depth of strata. T Method of sealing strata of M/A (7) PUMP: Manufacturer's Name MP Type: (8) WATER LEVELS: Land-surface elevation above mean sea level. Size of gravel. Static level F Set No Size of gravel. The blow top of well Date. Set S	perferations from	11. to n.					<u> </u>
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Method of sealing strata off (7) PUMP: Nanufacturer's Name Type: HP DEPARTMENT C. (8) WATER LEVELS: Land-surface elevation above mean sea level. Static level 1/2 ft. below top of well Date. 2 2 33 Artesian pressure 1/2 lbs. per square inch Date. Artesian water is controlled by (Cap, valve, etc.) (9) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No [8] if yes, by whom? Yield: gal/min. with 1/2 drawdown after hrs. This well was drilled under my jurisdiction and this report true to the best of my knowledge and belief. NAME 5 B 5 Drilling NAME 5 B	Did any strata contain unusable water?	Yes 🖪 No 🛘				= .5.7	
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Type: HP DEPARTMENT C: Type: HP DEPARTMENT C: DEPAR	Method of sealing strata off				767 2019	83	
(8) WATER LEVELS: Land-surface elevation above mean sea level	(7) PUMP: Manufacturer's Name N/A						
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Artesian water is controlled by. (Cap, valve, etc.) (9) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No I i yes, by whom? Yield: Salvented in the best of my knowledge and belief. Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) Time Water Level Time Water Level Time Water Level Date of test Baller test, 20 gal/min, with 2 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 2 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 2 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 2 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 2 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 2 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 2 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 2 hrs. Signed Baller test, 20 gal/min, with 3 ft. drawdown after 4 ft. drawdown after 4 ft. drawdown after	(8) WATER I FUFI S. Land-surface elevat	tion // C			AC MECION.		Accessor 5
Artesian pressure	above mean sea lev	rel tt.		ely Association (Association)		- T -	
Artesian water is controlled by (Cap, valve, etc.) (9) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes Drawdown is amount water level is lowered below static level Was a pump test made? Yes No Fit yes, by whom? Well DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report true to the best of my knowledge and belief. NAME 5 B Drilling NAME 5 B Drilli			-				
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This well was drilled under my jurisdiction and this report true to the best of my knowledge and belief. **This well was drilled under my jurisdiction and this report true to the best of my knowledge and belief. **NAME 5 B 5 Divilling* **NAME 5 B 5 Divilling* **Person. firm. or corporation) (Type or print) **Address 342 7 to 27 S East Wan, Ward, 92 **Date of test Baller test 20 gal/min. with 2 ft. drawdown after 2 hrs. **Artesian flow gpm. Date **Temperature of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis made? Yes 0 No 10 License No 0780 **Date of water 5 Was a chemical analysis w			The second second second second				
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Time Water Level Time Water Level Time Water Level NAME 50 Diviling (Person, firm, or corporation) (Type or print) Date of test Baller test 20 gal/min. with 2 ft. drawdown after 2 hrs. Artesian flow g.p.m. Date Femperature of water 7 was a chemical analysis made? Yes 0 No 10 License No 0780 Date 9-15 19.8			true to the best	or my kno	wiedge and	benei.	
Date of test Baller test 20 gal/min. with 2 ft. drawdown after 2 hrs. Artesian flow g.p.m. Date Artesian flow g.p.m. Date Femperature of water 7.4 was a chemical analysis made? Yes No Date Date No Date	Recovery data (time taken as zero when pump turn measured from well top to water level)	ned off) (water level	5 R	Duill	'		
Date of test Bailer test 20 gal/min. with 2 ft. drawdown after 2 hrs. Artesian flow g.p.m. Date Temperature of water 54 was a chemical analysis made? Yes No 10 License No 0780 Date 9-15 19.8	(1987년 1일	ime Water Level	NAME.	(Person, firm	orcorporation	on) (Type o	or print)
Date of test Bailer test 20 gal/min. with 2 ft. drawdown after 2 hrs. Artesian flow g.p.m. Date Temperature of water 54 was a chemical analysis made? Yes No 10 License No 0780 Date 9-15 19.8			240	nwn.	TASIF	TW 4	101 98
Date of test Bailer test 20 gal/min. with 2 ft. drawdown after 2 hrs. Artesian flow g.p.m. Date (Well Driller) Artesian flow bater 7 4 was a chemical analysis made? Yes No No License No 0780 Date 9-15 19.8			Address.	: C _ A		2/	- X-1/.
Bailer test 20 gal/min, with 2 ft, drawdown after 2 hrs. Artesian flow g.p.m. Date. Temperature of water 7.4 was a chemical analysis made? Yes No No License No 0780 Date 9-15 19.8			a	10	100.		ÿ
Artesian flowg.p.m. Date	Date of test	wn after 2 hr	[Signed] 1	nan	(Well To	AUL O	
Temperature of water 7.4 Was a chemical analysis made? Yes No De License No. 0/80 Date 7.7.3 Date 7.7.3 19.00	3			200	, , , <u></u>	a	
p 12-5-83	Temperature of water 54. Was a chemical analysis	s made? Yes 🛛 No 🗗	License No			하다 하는데 바람이 하는데 하는데 안내를 하는데 하는데	19.0.
		(3 0)	E		z 12-5-	83	

(b) (6)	\cap \cup \cup \cup \cup	,	
1) OWNER: Name.	Address Rock Island -		
2) LOCATION OF WELL: County Douglas -	5W NE NE 5 25 T2	Z.N., R	UE W
ring and distance from section or subdivision corner			چ
3) PROPOSED USE: Domestic 🗆 Industrial 🛭 Municipal	(10) WELL LOG:		4000
Irrigation [Test Well [Other [Formation: Describe by color character size of materi	al and str	ucture .
	show thickness of aquifers and the kind and nature of stratum penctrated, with at least one entry for each	the mater	ial in ec
1) TYPE OF WORK: Owner's number of well #3	MATERIAL	FROM	I TO
New well Method: Dug Bored	1 1) - E SOMICH - (DID)	10	18
Deepened	101. 11.	18	128
	acobble:	1	1
5) DIMENSIONS: Diameter of well 20 inches	101 - 12 - 1 Son -1 - (24) 42/	28	145
Drilled 106. ft. Depth of completed well 105% ft		<u> </u>	1
6) CONSTRUCTION DETAILS:	SANG-(MAYE)	143	156
Casing installed: 20 " Diam. from +2 th. to 62 th			1
Threaded Diam. from ft. to ft	11/6/1 38/2/17/3:44/6/	156	160
Welded 🕅		<u> </u>	1
	SANd-1-ew (SKAYE)	16.0	1/6/
Perforations: Yes No E		110=	1 (0 (
Type of perforations in. by in		105	100
perforations from ft. to ft		1	-
perforations from ft. to ft		-	1
perforations from ft. to ft		+	
Screens: Yes S No D		 	
Manufacturer's Name (117) WOLLEGE		†	i -
Type JTH 146=5 Model No 304			İ
Diam. 18 Slot size 100 from 103 ft. to 65 ft Diam. 18 Slot size 50 from 85 ft. to 65 ft		T	1
Diam. Louis Siot Size		1	1
Gravel packed: Yes No & Size of gravel:		1	T
Gravel placed from ft. to ft		1	1
Surface seal: Yes No D To what depth? 21	and the contract of the contra		
Material used in seal Comer. Citoute	1.기/(편(여)[환[17]/- 4		1
Did any strata contain unusable water? Yes [] No [<u> </u>
Type of water? Depth of strata		1	1
Method of sealing strata off	FEB 2 4 1981	1	4
7) PUMP: Manufacturer's Name		of the second	
Туре: НР	DES_00000000	1	10
0) THATTED I TIVELS. Land-surface elevation	CENTE 41 PT	1.	<u>:</u>
8) WATER LEVELS: Land-surface elevation above mean sea level	•]	1	+
rtesian pressurebs. per square inch Date		1	+
Artesian water is controlled by (Cap, valve, etc.)		1	
(Cap, valve, etc.)		-	1
9) WELL TESTS: Drawdown is amount water level is lowered below static level		2	
Vas a pump test made? Yes No Li yes, by whom?	Work started		19
field: gal./min. with ft. drawdown after his	THE I DOILLED'S STATEMENT.		
" Tobe done by chest "	This well was drilled under my jurisdiction	and this	report
" " " "	true to the best of my knowledge and belief.		
ecovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	1 1 7 0.11. 7		
Time Water Level Time Water Level Time Water Level	NAME Thin Size 9 1/2/ / 10 5 4.01 (Person firm, or corporation)	Type or p	orint)
		 .	7
	Address 10715 66 Ave 1-45		4.Ý
<u>'</u>	11 20 011 7		,
Date of test	[Signed] John S. Winnel Du	~4	••••••
aller testgal/min. withft. drawdown afterhrs	(Well Driller)	1	
rtesian flowg.p.m. Date	License No. 0012 Date 2-		

WATER WELL REPORT

Application No. 64-43410

Third Copy - Driller's Copy	STATE OF W	ASHINGTON		Permit No .	64-	13414
(1) OWNER: Name (b) (6)		Address/フィックス	Rock Fob	nd-16/1	78	3.50
(2) LOCATION OF WELL: County Day	105	2.	SIL WALL	Secol 5 Tol.	3N. R.	1.Ews
caring and distance from section or subdivision corner	Municipal []	(10) WELL LO	G.			
73) PROPOSED USE: Domestic M Industrial [Irrigation N Test Well [Formation: Describe show thickness of ac stratum penetrated.	by color, character	r, size of materia i and nature of t	l and stru he materi	cture, ar
(4) TYPE OF WORK: Owner's number of well (if more than one)		 	MATERIAL		FROM	TO
New well Method: Dug Deepened Cable	☐ Bored ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	Sand &	Boulder	-5	0	20
Reconditioned C Rotary	경소하다 - 이 이렇게 얼굴하면 없다 나		5255 5Mc 1		<u> </u>	7
Dimensions: Diameter of well Depth of completed well.		_Sund			20	25-/
		-2011 T-V	Boulde	<u>rs</u>	رد	32
(6) CONSTRUCTION DETAILS:	()	Sand - Si	17 0 8	Tour !	3/	45
Casing installed: / Diam. from						
Welded Welded Diam. from		-River Su	·11/ × 5.	Malinery	145	5-3-
Perforations: Yes 🗆 No 👼		8-cu- 5	at + 8.	##		
Type of perforator used	in		 		1 ,= - /	
perforations from ft. to	o !t	17:1:0:	11x x 6	rurel	5-5-1	(3/
perforations fromft. to						
perforations from ft. t	O 11	DEC	EINEN		i	i
Screens: Yes O No &		N.U				
Manufacturer's Name			2 5076			
Diam Slot size from		1 - UEU	<u> </u>			
Dism Slot size from	ft. 10 ft.		* (- £ .0:2) W		i	
Gravel packed: Yes No K Size of grave	1:	- 	1 1 LLE			
Gravel placed from ft. to						
Surface seal: Yes No To what depth?	20 n				<u> </u>	
Material used in seal Ben To 11. Te			ww-cooperate		!	1
Did any strata contain unusable water? Type of water? Depth of strata	Yes No D			٠, -	1	<u> </u>
Method of sealing strata off		······································	16/10/10 5/10/10 5/10/10		 	
(7) PUMP: Manufacturer's Name						· ·
Type:					1	
(8) WATER LEVELS: Land-surface elevation	wai 1	- 		*****		 -
Static level f. below top of well Dat	411				!	-
Artesian pressure				1 - 1/4 - 2/4		i T
Artesian water is controlled by (Cap. va	alve. etc.)				ı	1
(9) WELL TESTS: Drawdown is amount wat	er level is				;	<u> </u>
Was # pump test made? Yes No If yes, by whom?		Work started		Completed 9	122	1º Z
Yield: gal./min. with ft. drawdown aft		WELL DRILL	ER'S STATEM	ENT:		
	<u>.</u>	This well was	drilled under m	y jurisdiction	and this	report
		true to the best	nt my knowledge	e and belief.		Å.
Recovery data (time taken as zero when pump turned of measured from well top to water level) Time Water Level Time Water Level Time	Water Level	NAME C/	erson, firm, or cor	Dr.	Type or A	rint)
		Address F.C.	Bex 12.	- Chisa	4.10	1. 5
				7	17	bussel
Date of test	· · · · · · · · · · · · · · · · · · ·	[Signed]	Luy i	1. 11	T.C.	
Sailer test. 50 gal/min. with C		E			1 -	
Temperature of water Was a chemical analysis made		License No 7	C/	Date 7/	برح	, 19.

STATE OF-WASHINGTON

Permit No

. 4

- (b) (6)		Sing.
OWNER: Name	Address 17.5 Box 5236 Wonot lix	,W
LOCATION OF WELL: County Dauglas	- SW & SW & Sec 25 T23 N. R.	21.w.
-	NORTH WEST CO	TAZ
PROPOSED USE: Persons & Industrial C. Municipal C.	(10) WELL LOG:	1880 - 1880 C
	 	cture. a:
	show thickness of aquifers and the kind and nature of the materi stratum penetrated, with at least one entry for each change of	al in ear
TYPE OF WORK: Owner's number of well	MATERIAL FROM	TO
New well Method: Dug Bored	Tan Sail C	12/
	11.0. 201	
	Saul & Boulders 31	1241
1 /		V.
Drilled 1. V. ft. Depth of completed well ft.	Sand -5:11 - Grant/ 24'	173
CONSTRUCTION DETAILS:		<u> </u>
	Sand 3 51/7 73'	98
Welded ™ Diam. from ft. to ft.	5911 4 981	100
Perforations		 -
77 () () () () () () () () () (1
THE PROPERTY OF THE PROPERTY O		į.
perforations from ft. to ft.		i
가유면 바다 전쟁 1000 HT 1000		ī
periorations from		İ
Screens: Yes Y No D / J / / -	/ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
Manufacturer's Name My CVC ANY C AHO LHC		İ
Type Model No.		
Diam. Slot size from ft. to ft.		
CIII		
1976		!
	- 	1
Surface seal: Yes & No D To what depth? ft.		
는 사용한다면 회의의 발문에 가격하는 이번 사람들이 하는데 하는데 하는데 하는데 하는데 살아보다면 하는데 살아내는데 하는데 살아내는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데		1
Method of sealing strata off	RECEIVED	6
PIIMP	i S F i V i S	
	유민하면 1975 +	!
	DESCRIPTION OF FORLOW.	i .
above mean sea level	SPAY'NG DECISION OFFICE	
/ //	SI CHARL RESIGNAL UTITUL	
Artesian water is controlled by		<u> </u>
(Cap, valve, etc.)		
WELL TESTS: Drawdown is amount water level is	27	!
lowered below static level	Work started 5 / 19 / Completed D / 35	19.7
Files in which are not the file of the files	WELL DRILLER'S STATEMENT:	
	This well was drilled under my jurisdiction and this	report
	true to the best of my knowledge and belief.	
	(1 - 12-11 D 11)	
*************************************	NAME (Person firm or corporation) (Type or per	()
		854
7 N	Address 110 Box 123 Gring	1/12
	- y , p .	
ate of test r test \(\frac{C^2}{2} \) gal/min, with \(\frac{c^3}{2} \) ft. drawdown after \(\frac{1}{2} \) hrs.	[Signed] (Well Driller)	<u>.</u>
	LOCATION OF WELL: County Date of Gravel packed: Yes No Type of perforations from the total fit. To Screens: Yes No Manufacturer's Name Manufacturer's Name Sold size of gravel: Gravel packed: Yes No Type of water's name Sold size of gravel: Gravel packed: Yes No Type of water's name Type of water's name Type of water's name Type of water's name Type of yes No Type Tit. to LOCATION OF WELL: County Date Survey	
S. F. No. 7356-OS-IRAV 4-711

WATER WELL REPORT

_STATE OF WASHINGTON -

Application No.

Permit No

(1) OWNER: Name (b) (6)	Address Box 217 - Rock Island, 1.	4.
(2) LOCATION OF WELL: county langlas 2	84-8480) - 5W " Str " Sec 2 5 722 N RE	2/-
Page and distance from section or subdivision corner		
(3) PROPOSED USE: Domestic Industrial Municipal	(10) WELL LOG:	in in
Lirigation Test Well Other	Formation: Describe by color, character, size of material and strushow thickness of aquifers and the kind and nature of the mater stratum penetrated, with at least one entry for each change of	mal in
(4) TYPE OF WORK: Owner's number of well	MATERIAL FROM	
New well Method: Dug Bored	Tron Sail	12
Deepened	167	T
	Sand & Boulders & Croup! 2'	39
(5) DIMENSIONS: Diameter of well inches. Depth of completed well ft.		
Drilled	Suid & Cravel 39	150
(6) CONSTRUCTION DETAILS:	5011 0 700	701
Casing installed: 6 "Diam from ft. to \$9 ft.	36114	18-
Threaded [] "Diam. fromft. toft.	Reck 78'	801
Welded E Time from ft. to ft.		T
Perforations: Yes 🗆 No 💆		
Type of perforator used in. by in.		1
perforations from ft. to ft.	12 12 11 11 11 11 11	
perforations from ft. to ft.	Well to aupper to present	-
perforations from ft. to ft.	In less for Justin dielli	267
Screens: Yes 🗆 No 🔯	many les used for comes	27
Manufacturer's Name	of & 3 family desiration	
Type Model No	2 9	17.
Diam. Slot size from ft. to ft.	Sup our telecom 0/19/77	1/2
Gravel postedi M. e		
Gravel placed from ft. to ft.	DECETAL D	1
	KEGELVED	1
Surface seal: Yes No No To what depth? ft.		1
Material used in seal	MAY 5 1977	1
Type of water? Depth of strata		
Method of sealing strata off	DEPARTMENT OF ECOLOGY	
(7) PUMP: Manufacturer's Name	CE (576] (1-2)211112 (3:3:62	1 -
Type: H.P		1
(8) WATER LEVELS: Land-surface elevation		1
Static level 30 th below top of well Date 2/3/7.6		1
Arterian pressure		i -
Artesian water is controlled by (Cap, valve, etc.)		7
(0) WELL TESTS. Drawdown is amount water level is		1
lowered below static level	Work started 12 2 19 7 Completed 2 19	1927
Was a pump test made? Yes □ No Ø If yes, by whom?	WELL DRILLER'S STATEMENT:	
	This well was drilled under my jurisdiction and this	report
	true to the best of my knowledge and belief.	
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	Clar. 111.11 17 111	
Time Water Level Time Water Level Time Water Level	NAME (Person, firm, or corporation) (Type of)	Print)
	1 00 Ber 135 Oliver	211.
	Address 11.42 LUST 12	
	Je y y po	
But test / C gal/min. with C it. drawdown after / hrs.	[Signed] (Well Driller)	
Artesian flowg.p.m. Date	License No. 7.61 Date 2-/3	10 >
Temperature of water Was a chemical analysis made? Yes [No.20]	License No	, 10.2
	∞ / >	

(USE ADDITIONAL SHEETS IF NECESSARY)

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WATER WELL REPORT STATE OF-WASHINGTON

_ · Application No.

Permit No

(1) OWNER: Name.	Address	RockIstand
(2) LOCATION OF WELL: County Douglas		
Bearing and distance from section or subdivision corner		, A. J W. B
(3) PROPOSED USE: Domestic & Industrial Municipal	(10) WELL LOG:	
Irrigation Test Well Other	Formation: Describe by color, character, size show thickness of aquifers and the kind and stratum penetrated, with at least one entry	nature of the material in each
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM TO
New well Method: Dug Bored	ROCKS + BOUL dz	AS 1 1 15
Deepened Cable Driven Reconditioned Rotary Jetted		
	GRAVEL & Sand	15-128
(5) DIMENSIONS: Diameter of well inches. Drilled 9.3. 4. it. Depth of completed well 9.3. 4. it.		
	Chty-Sand-Ro	1K5 28 65
(6) CONSTRUCTION DETAILS:	4.5	AVELUS 85
Casing installed: 6 "Diam. from 1 tt. to 73 ft.	Asaviray sandega	702203
Threaded "Diam. from ft. to ft. Welded Time in the incomplete	4 RAV 1 - Sand - 5,6	T 185 193
	0	
Perforations: Yes No		
Type of perforator used		
perforations from ft. to ft.		
perforations fromft. toftftftftftftft.		
Screens: Yes Q No [
Manufacturer's Name Model No		
Diam. 5.1/4. Slot size 0.20 from 7.5 ft. to 8.6 ft.		
Diam. Slot size from ft. to ft.		. i i i i i i i i i i i i i i i i i i i
Gravel packed: Yes No & Size of gravel:		
Gravel placed from		
Surface seal: Yes No D To what depth? /8 tt.		
Material used in seal BENIONITE	DECEL	VED
Did any strata contain unusable water? Yes No Z	RECEI	<u> √ E </u>
Method of sealing strata off	Δ (±G Δ	1978
(7) PUMP: Manufacturer's Name		
Туре: НР	ULERAHOLNI UE	
(8) WATER LEVELS: Land-surface elevation	Shukake REGION	TAL OFFICE 1
Static level 20 ft. below top of well Date		
Artesian pressurelbs. per square inch Date		
Artesian water is controlled by(Cap, valve, etc.)		
(9) WELL TESTS: Drawdown is amount water level is		
Was a pump test made? Yes No 🔁 If yes, by whom?	Work started 12 / 2/ 1927. Com	pleted 1/ -/ \$ 197.
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT	C: .
<u> </u>	This well was drilled under my jur	isdiction and this report
Percusary data (disp askers as seen when your deep (display level)	true to the best of my knowledge and	, Delici.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	NAME CLOSE WELL	DRILLING
Time Water Level Time Water Level Time - Water Level	(Person, firm, or corporati	on) (Type or print)
	Address 60. By 125 Qu	incy, hosh.
		01
Date of test	[Signed]	Clerce
Bailer test gal/min. with ft. drawdown after hrs. Artesian flow g.p.m. Date 11/8/77	(Well D	пшег)
Temperature of water Was a chemical analysis made? Yes No	License No Dat	e // 8, 19.7
**	a = = = :	

File Original and First Copy with Department of Ecology Second Copy — Owner's Copy Third Copy — Department Copy

WATER WELL REPORT

Application No.

(1) OWNER: Name	Plat Plat ucture, and in each formation
2) LOCATION OF WELL: County Dangle S Sequence and distance from section or subdivision corner Iraet 22 East Wonatchee Land Coun Party PROPOSED USE: Domestic & Industrial Municipal (10) WELL LOG: Irrigation Test Well Other Formation: Describe by color, character, size of material and six show thickness of aquifers and the kind and nature of the mate stratum penetrated, with at least one entry for each change of Deepened New Well Method: Dug Bored Sand	Plat Control of the second se
PROPOSED USE: Domestic & Industrial Municipal (10) WELL LOG: Irrigation Test Well Other Formation: Describe by color, character, size of material and sir show thickness of aquifers and the kind and nature of the material mat	Plat ructure, an rial in eac formation
Irrigation Test Well Other	formation
show thickness of aquifers and the kind and nature of the mate stratum penetrated, with at least one entry for each change of MATERIAL FROM Deepened Cable Driven Reconditioned Rotary Jetted Salders	formation
4) TYPE OF WORK: Owner's number of well New well Method: Dug Bored Diven Deepened Cable Driven Deepened Reconditioned Rotary Detted Detted Descriptions	
New well Method: Dug Bored Sauce O Deepened Cable Driven Bolders	28
Reconditioned Rotary Jetted Boldens	28
[CVA. a]	-28 -
5) DIMENSIONS: Diameter of well inches. Drilled 30 ft. Depth of completed well 28 ft.	
6) CONSTRUCTION DETAILS:	1
Casing installed: 6 "Diam from 11 to 28 to	
Threaded "Diam. from ft. to ft. Welded "Diam. from ft. to ft.	
	ļ
Perforations: Yes No X	-
SIZE of perforations	+
perforations fromft. toft	1
perforations fromft, toft.	1
Screens: Yes No K	
Manufacturer's Name	İ
Type	
Diam Slot size from ft. to ft.	
Gravel packed: Yes No Size of gravel:	 -
Gravel placed from ft. to ft.	
Surface seal: Yes D No D To what depth? 18 tt.	
Material used in seal Pudd Ung C/6.4. Did any strata contain unusable water? Yes No No	-!
Type of water? Depth of strata	
Method of sealing strata off	
7) PUMP: Manufacturer's Name Bev Keley	-
Type: Sub 10E-TC5412 HP /2	ī
8) WATER LEVELS: Land-surface elevation above mean sea level	
rtesian pressurelbs. per square inch Date	+
Artesian water is controlled by	1
9) WELL TESTS: Drawdown is amount water level is	1
Work started 19. Completed Work started 19. Completed	19
teld: gal./min. with ft. drawdown after hrs. WELL DRILLER'S STATEMENT:	
This well was drilled under my jurisdiction and thi	s report
ecovery data (time taken as zero when pump turned off) (water level	
measured from well top to water level Time Water Level NAME (ESSNEW DVIII LAC Person, firm, or corporation) (Type or	print)
Address Box 7174 E, Wengtehe	EVALAVISTO 227.
Date of test , [Signed] Wesley Hossie	
ler test Q.D. gal./min. with	20
lessan flow g.p.m. Date g.p.m. Date License No. 0154 Date 6-29	, 198,

- - MAIGH HELL REPUBLI STATE OF WASHINGTON

variant Conv — Owner's Copy	OF WASHINGTON	Permit No.	¥ /.
(1) OWNER: Name KAWECKI BERYLCO HNDUSTRIES,	INC 0 EOX 17	ON MENATCHEE	
			2000
(2) LOCATION OF WELL: County CHELAN	ST AND 201 MORTH FROM W	FST 1/4 CORNER ST	٠₩
		231 174 00111211 32	
(3) PROPOSED USE: Domestic Industrial Municip	pal [(10) WELL LOG:		
Irrigation D Test Well D Other	show thickness of aquifers ar	, character, size of material and the did and material and the kind and nature of the mist re-	ut 1/
(4) TYPE OF WORK: Owner's number of well (if more than one)	straium penetrated, with at	least one entry for each change of f	
New well X Method: Dug X Bore	ed D MATE	RIAL FROM	TO
)	ven 🖸		
/	ed D		
(5) DIMENSIONS: Diameter of well 60 in Depth of completed well 22	nches.		
Drilled 22 ft. Depth of completed well. 22			
(6) CONSTRUCTION DETAILS: DUG WITH BULL	DOZER		,
Casing installed: 60 " Diam, from 0 11 to 14			outes
Threaded Diam. from ft. to	I.		
Welded \(\omega \)			
Perforations: Yes No			
Type of perforator used			
SIZE of perforations	in.		
perforations from ft. to			VI TO AND
perforations fromft. to			
Screens: Yes No No			
Manufacturer's Name			
Diam. Slot size from ft. to	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
Diam Siot size from ft. to	ft.		
Gravel packed: Yes No Size of gravel:			
Gravel placed from ft. to			
Surface scale v		i	
Surface seal: Yes No To what depth?			
_발	№ □		
Type of water? Depth of strata	CONTROL OF THE PROPERTY OF THE		
Method of sealing struta off			
(7) PUMP: Manufacturer's Name BERKELEY			
Type: A'' Y A'' CENTRIFUSAL HP 15			
(8) WATER LEVELS: Lanc-surface elevation		i	i
Static level 12 ft below top of well Date			
Artesian pressurelbs. per square inch Date			
Artesian water is controlled by(Cap, valve, etc.)			
(9) WELL TESTS: Drawdown is amount water level is			;
Was a pump test made? Yes No If yes, by whom?		19.60 Completed	
Yield: gal/min with ft. drawcown after	hrs. WELL DRILLER'S S	TATEMENT: DRILLER NOT	ī
		AVAILABLE -under-my-jurisdiction-and this :	report
" " "	" true to the best of my k	mowledge and belief.	57.)
Recovery data (time taken as zero when pump turned off) (water measured from well top to water level)	level KAMECKI BERY	LCO INDUSTRIES, INC.	
Time Water Level Time Water Level Time Water L		m, or corporation) (Type or pr	nnt)
	P. O. BOX	제가 있으면서 [4] - ^^^^^ (1000) (1000) 제가 되었습니다. [4] 전 (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000)	8801
	Address	······································	
Sate of test	LILINA	LCR EL	75. A
Baller testgal/min, withft, drawdown after \\ \\ \\	hrs.	KYLECKELYN KYLECKELYN	······
Artesian flow p.m. Dite/ 1	<u></u>	🗸	10
Temperature of water	NO U License No	Date	.;
	-	÷	5 -4 5
S. F. No. 1356—OS—(Rev. 4-71).	NAL SHEETS IF NECESSARY)	8 4. 1	-

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WATER WELL REPORT

Application No. ...

•	77.	-		0	_	-	-75	7	

Third Copy - Driller PCopy - STATE OF	WASHINGTON - Permit No.		
(1) OWNER: Name(b) (6)	Address Rt. 5 Box 5205 J. E. Wenatch	100	
) LOCATION OF WELL: County Douglas	Tract 28 _ 433 4 Sec 26 T		
Bearing and distance from section or subdivision corner	74		W
(3) PROPOSED USE: Domestic & Industrial Municipal	(10) WELL LOG:		best
	Formation: Describe by color, character, size of matern show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each	the material	in ea
(4) TYPE OF WORK: Owner's number of well		FROM	то
New well [] Method: Dug [] Bored Deepened [] Cable [2] Driven	I sand & gravel	01	5
Reconditioned Rotary Jetted	- 1 bonddom/d 07	5	8
// // // // // // // // // // // // //	sand & silt	8 !	19 -
(5) DIMENSIONS: Diameter of well		19	29
Drilled	Frager & Salin	29	34
(6) CONSTRUCTION DETAILS:	gravel	34	39 💄
Casing installed: ft. to	n.	+	
Threaded Diam. from		+	
Welded Diam. fromft. to	<u>tt.</u>	-	- insert
Perforations: Yes No E		+	
Type of perforator used			
SIZE of perforations in. by in.	n.		- Inc
perforations from ft. to			496-5146 UKS TUHU
perforations fromft. to			
periorations from	*		
Screens: Yes D No 2			
Manufacturer's Name			
Type Model No Diam Slot size from ft. to			
Diam	OF 2		
Gravel placed from		 	
		+	
Surface seal: Yes No To what depth?18	1	1	
Material used in seal puddling clay Did any strata contain unusable water? Yes \(\) No		†	
Type of water? Depth of strata		1	
Method of sealing strata off			
(7) PUMP: Manufacturer's Name	[]		
Type:			
	-		
(8) WATER LEVELS: Land-surface elevation above mean sea level		1	
Static level 18 ft. below top of well Date		1	
Artesian pressurelbs. per square inch Date		+	
(Cap, valve, etc.)		+	
(9) WELL TESTS: Drawdown is amount water level is		1	
Was a pump test made? Yes No If yes, by whom?	Work started		. 19
	s. WELL DRILLER'S STATEMENT:		
	This well was drilled under my jurisdiction	and this re	port i
	true to the best of my knowledge and belief.		
Recovery data (time taken as zero when pump turned off) (water lev measured from well top to water level)	1.10SSDAT WALL LITTILITY		
Time Water Level Time Water Level Time Water Leve	, NAME	(Type or prin	1t)
		Va	
	Address 142 S. Texas, E. Wenatchee,		
		/	10
Date of test	[Signed] (Well Driller)		
Artesian flow gal./min, with Jil. drawdown after gal./min. Date	0154	- 79	
Temperature of water	□ License No. Date 4-1		19
	2 2 1/	- 4	

ft. drawdown after......hrs.

g.p.m. Date...

License No. 6154 Date 7

(Well Driller)

iler test 20 gal/min. with....

Not IN KARdex 8-18-78

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WATER-WELL REPORT STATE OF WASHINGTON

Application No

Permit No.

(1) OWNEB: Name (b) (6)	Address Route 5, Wenatchee, Wa 98801
LOCATION OF WELL: County Douglas West &	of Lot 30 EVICo. 1/4 Sec 26 T.22 N. R1
ring and distance from section or subdivision corner	- P.
(3) PROPOSED USE: Domestic & Industrial Municipal Irrigation Test Well Other	(10) WELL LOG: Formation: Describe by color, character, size of material and structure, a
	show thickness of aquifers and the kind and nature of the material in ed stratum penetrated, with at least one entry for each change of formation
(4) TYPE OF WORK: Owner's number of well (if more than one).	MATERIAL FROM TO
New well Method: Dug Bored Deepened Cable Driven	Dirt & Bolders 0 7
Reconditioned Rotary Jetted	Bolders 7 12
The programme of the second se	30 nd & 9 v 6 v 0 1 12 37
(5) DIMENSIONS: Diameter of well finches. Drilled 70,5 ft. Depth of completed well 70,5 ft.	Hould fan 37 52
	Besilt (herd) 32 7h
(6) CONSTRUCTION DETAILS:	Cerevess at Beltano
Casing installed: 6 " Diam from 0 ft. to 52 ft.	From \ Cane
Threaded 5 "Diam. from 51 ft. to 70.5 ft.	Freuz
Welded "Diam. from ft. to ft.	
Perforations: yes of No I	
Perforations: Yes & No Sidus Cuits	
SIZE of perforationsin. byin.	
perforations from 65 ft. to 705 ft.	
perforations from ft. to ft.	
Screens: Yes No in	
Type Model No	
Diam Slot size from ft. to ft.	
Diam. Slot size from ft. to ft. to ft.	
Gravel packed: Yes O No A Size of gravel:	
Gravel placed from ft. to ft.	
Surface 2011	
Surface seal: Yes & No D Jo what depth? 8 n. Material used in seal Pictor ling Clay	
Did any strata contain unusable water? Yes No	BEVEINED
Type of water? Depth of strata	166666
Method of sealing strata off	
(7) PUMP: Manufacturer's Name	AUG 18 1973
Туре: НР	DEC. C. C. C. C. CON
(8) WATER LEVELS: Land-surface elevation /45 "	IN K TENDENT
Static level 33 ft. below top of well Date 8 1.75	Carrier of another all the
Artesian pressure lbs. per square inch Date	
Artesian water is controlled by (Cap, valve, etc.)	
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started 7/24 19 8 Completed 8/1 192
Was a pump test made? Yes No If yes, by whom?	WELL DRILLER'S STATEMENT:
Yield: gal./min. with ft. drawdown after hrs.	
	This well was drilled under my jurisdiction and this report true to the best of my knowledge and belief.
Recovery data (time taken as zero when pump turned off) (water level	01
measured from well top to water level)	NAME L-1855 1180 Well Drilling
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (Type or print)
	Address /42 / LXUS E WEUGT CI
	1 -10 1 91/1-1
Date of test	[Signed] Welly Dollar
Bailer test QQ rai/min. with 10 ft. drawdown after hrs.	(Well Driller)
Artesian flow g.p.m. Date	License No O / 3 4 Date 8/1 19.

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- WATER WELL REPORT-STATE OF WASHINGTON

-	-	
4		37-
What	ication	NO.

Permit No.

(1) OWNER: Nam	Address RT 5 BAY 5205 TJ WE	en a-Tehan
LOCATION OF WELL: County LAT 28 FA Tax		
Bearing and distance from section or subdivision corner		
(3) PROPOSED USE: Domestic & Industrial Municipal	(10) WELL LOG:	
Irrigation Test Well Other	Formation: Describe by color, character, size of materia show thickness of aquifers and the kind and nature of t stratum penetrated, with at least one entry for each cl	the material in each
(4) TYPE OF WORK: Owner's number of well (if more than one)	MATERIAL	FROM TO
New well Q Method: Dug D Bored D	13. 1dein	1 18
Deepened Cable Driven Reconditioned Rotary Jetted	Beselt	18 55
(5) DIMENSIONS: Diameter of well cinches. Drilled 55 ft. Depth of completed well 55 ft.		
(6) CONSTRUCTION DETAILS:		
Casing installed: 6- " Diam. from C 1t. to 18 n.		
Threaded [] "Diam. from		
Welded [] "Diam. from ft. to ft.		
Perforations: Yes No T		
Type of perforator used		
SIZE of perforations in. by in in ft. to ft.		
perforations from ft. to ft.		
perforations from ft. to ft.		
Screens: Yes No K		
Manufacturer's Name		
Type Model No		
Diam. Slot size from ft. to ft. Diam. Slot size from ft. to ft.		
	No. 1 Control of the	
Gravel placed from ft. to ft.		
Surface seal: Yes No I It what depth? 18 It.		
Did any strata contain unusable water? Yes No		
Type of water? Depth of strata		
Method of sealing strata off		
(7) PUMP: Manufacturer's Name		All Control of
Type: H.P		 - - - - -
(8) WATER LEVELS: Land-surface elevation above mean sea level C. G. ft.	****	
Static levelft. below top of well Date		
Artesian pressurelbs, per square inch Date		
Artesian water is controlled by(Cap, valve, etc.)		
(9) WELL TESTS. Drawdown is amount water level is		19 1
Was a pump test made? Yes No If yes, by whom?	Work started, 19 Completed	, 19
Yield: gal/min. with fi. drawdown after hrs.	WELL DRILLER'S STATEMENT:	
	This well was drilled under my jurisdiction	and this report is
	true to the best of my knowledge and belief.	
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) ' Time Water Level Time Water Level Time Water Level	NAME C-05511 ev Well (Person, firm, or corporation)	DV (//////
	142 5 Feres	E-Wang 7
	Audress / // // ()4/)	7
Date of test	[Signed] Mesting Doss	
Baller test (sal/min. with Tefelft, drawdown after hrs.	(Well Driller)	133.40
Artesian flow g.p.m. Date Temperature of water Was a chemical analysis made? Yes No 🖾	License No 15 4 Date 4/2	W 10 X
A CHIPPERSON OF WATER	DE CONTRACTOR DE	Charte or one

File Original and First Copy with Department of Ecology

Second Copy-Owner's Copy

Third C	Copy—Driller's Copy (b) (6)	Water Right Permit No.
-	OWNER: Name	Address 5080 St. Huy 28 E. Wenther, Wa
	Day, and	WW x sec 26 T 22 N; R 71
SEESE V	EGGATION CO.	ame CDE
	PROPOSED USE: Domestic Industrial Municipal	(10) WELL LOG OF ABANDONMENT PROCEDURE DESCRIPT
(3)	☐ Irrigation ☐ DeWater Test Well ☐ Other ☐	Formation: Describe by color, character, size of material and structure, and
(4)	TYPE OF WORK: Owner's number of well (if more than one)	thickness of aquiters and the kind and nature of the material in each stratum penetr with at least one entry for each change of information.
	Abandoned D New well X Method: Dug D Bored D	MATERIAL FROM TO
	Deepened	BLACK 70PS03L 0 2
	DIMENSIONS: Diameter of well 6 inches. Drilled 29 feet. Depth of completed well 28 ft.	GRAVEL, ROCKS, SAND + CLAY 2 2
(6)	CONSTRUCTION DETAILS:	
ίο,	Casing Installed: 6 · Diam. from + 1/2 H. to 28 H.	
٧	Welded Z Diam, from tt to tt	
	iner installed U Diam. from H. to H.	
F	Perforations: Yea No X	
	Type of perforator used	
5		
5)		
34		
	Screens: Yes No X	
	Manufacturer's Name	
	Type Model No	
	Diam Slot sizefromft. toft.	
	Diam. Slot size trom tt. to tt.	
	Gravel packed: Yes Li No Size of gravel	
	Sravel placed from th. to th.	<u> </u>
	Surface seal: Yes X No To what depth? 18	
	Did any strata contain unusable water? Yes No	TERELWED!
	Type of water?Depth of strata	E G G V E
-	Aethod of sealing strate off	- 11 <u>2</u> 31 H 1111 1
(7)	PUMP: Manufacturer's Name	AUG - 3 1989
	Ype:H.P	DE 700
(8)	WATER LEVELS: Land-surface elevation above mean sea level 7-12-E9	DEPARTMENT OF ECOLOGY CENTRAL REGION OFFICE
	Static level	CENTRAL REGION OFFICE
	Adeasan water is controlled by	
(0)	(Cap, valve, etc.))	Work started 7-12 19. Completed 7-12 19
	WELL TESTS: Drawdown is amount water level is lowered below static level Yas a pump test made? Yes \(\sum \) No \(\sum \) If yes, by whom?	WELL CONSTRUCTOR CERTIFICATION:
Y	(ield: gal./min. with ft. drawdown after hrs.	constructed and/or accept responsibility for construction of this
		and its compliance with all Washington well construction stands Materials used and the information reported above are true to my
F	Recovery data (time taken as zero when pump turned off) (water level measured	knowledge and belief.
	rom well top to water level) ime WaterLevel Time WaterLevel Time WaterLevel	NAME TUMWATER DRZLLZHE TA
		Address LEADENWORTH, WASH.
		0 1 21 11
	Date of test	(Signed) Should be theense No. 1249
_	sailer test cal./min. with ft. drawdown after hrs.	Contractor's (WELL DRILLE)
	tricest gat./min. with stem set at ft. for hrs.	No. 711mung Dz 1330 C Date 7 - 17 19
	Was a Chemical analysis made? Yes No 🗸 -	MICE ADDITIONAL SHEETS IE NECESSARY

Department of Ecology Second Copy — Owner's Copy Third Copy — Driller's Copy -- Application No. WATER WELL REPORT Permit No. ... STATE OF WASHINGTON (b) (6) Address Protestional Contra - BIN - 37 Sweet (1) OWNER: Name - NEW NOW SEZE TZZN RZIEWM (2) LOCATION OF WELL: County Chylan ring and distance from section or subdivision corner 320 Ef 50 E 11 acres (10) WELL LOG: (3) PROPOSED USE: Domestic [Industrial [Municipal [Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation. Irrigation Z Test Well - Other (4) TYPE OF WORK: Owner's number of well (if more than one).... FROM Method: Dug New well × Bored [Sand 10' Deepened Cable M Driven [Reconditioned [Rotary [Jetted [(5) DIMENSIONS: Drilled 3.6 ft. Depth of completed well 3.6 ourse Soul & broke (6) CONSTRUCTION DETAILS: Casing installed: 10 " Diam from 9 ft. to 36 ft. ft. to ____ ft. Threaded [Welded 😿 Perforations: Yes No 😿 Type of perforator used...... SIZE of perforations in. by in. perforations from _____ ft. to _____ ft. _____ perforations from _____ ft. to _____ perforations from _____ ft. to ____ ft. Screens: Yes | No 😿 Manufacturer's Name __ Model No.____ Diam. ____ Slot size ____ from ___ ft. to ____ ft. Diam. ____ ft. to ____ ft. Gravel packed: Yes 🗆 No 😿 Size of gravel: Gravel placed from _____ ft. to _____ ft. Surface seal: Yes | No | To what depth? _____ Material used in seal..... Did any strata contain unusable water? Yes [No [____ Depth of strata...._ Type of water?____ Method of sealing strata off..... NOV 10 1976 (7) PUMP: Manufacturer's Name..... DEPARTMENT OF ECOLOGY Land-surface elevation above mean sea level... (8) WATER LEVELS: SPOKANE REGIONAL OFFICE Artesian pressure ___ _____lbs. per square inch Date..... Artesian water is controlled by Drawdown is amount water level is lowered below static level (9) WELL TESTS: Work started ... 19Z6 Completed [/... Was a pump test made? Yes E No I If yes, by whom? Dridicksed la WELL DRILLER'S STATEMENT: Yield: gal./min. with ft. drawdown after hrs. 150 This well was drilled under my jurisdiction and this report is 1.50 true to the best of my knowledge and belief. hrs Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) (Person, firm, or corporation) (Type or Sprint) Time Water Level | Time Water Level | Time Water Level Acort Box 125 Owiney, Wn Receivery 10 Full - 1 Minute _____ Date of test 11-5-76 [Signed].... Bailer test____gal/min. with____ft, drawdown after___ g.p.m. Date.....

License No. Zd

Temperature of water_____ Was a chemical analysis made? Yes [No [

Date H

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WATER WELL REPORT STATE OF WASHINGTON

	1201)	230	5	
in the	427			10000
Ud	Application !	No.		^
	Permit No	* * * * *******************************		1

(1) OWNER: Name	Address A 7 7 26 x 3 263 1-		
LOCATION OF WELL: County Danglas	NE 1 NW 14 Sec 16 T 22	N. R.214-W	
Bearing and distance from section or subdivision corner 2500 FT	*		-
	(10) WELL LOG:	Name of the second	—
(3) PROPOSED USE: Domestic P Industrial Municipal I Irrigation Test Well Other	Formation: Describe by color, character, size of material	and etmichine	
migation 103, well Other	show thickness of aquifers and the kind and nature of the stratum penetrated, with at least one entry for each cha	e material in e	each
(4) TYPE OF WORK: Owner's number of well 2		FROM TO	
New well Method: Dug Bored	TOD Seil	0 4	_
Deepened Cable Driven C	100 501	2 7	
Reconditioned Rotary Jetted	Rolder 25 FT Di	4 20	, -
(5) DIMENSIONS: Diameter of well 8inches.	Brown	1	
Drilled 78 ft. Depth of completed well 49 ft.	Roldens 225T D. will		
(C) CONSTRUCTION DETAILS.			
(6) CONSTRUCTION DETAILS:	sand + bravel	20 40	0
Casing installed: 8 "Diam. trom 6 n. to 72 n.			
Threaded ["Diam. from	Broken BaselT		
	Black	40 4.	8
Perforations: Yes 🗆 No 🗗			
Type of perforator used			
perforations from ft, to ft.			
perfcrations from ft. to ft.			70,00
perforations from ft. to ft.			
Screens: Yes 🗆 210 🖟			
Manufacturer's Name			
Type Model No			-
Diam Slot size from ft. to ft.	l		 -
Diam.' Slot size from ft. to ft.			
Gravel packed: Yes O No Size of gravel:			_
Gravel placed from ft. to ft.			
Surface seal: Yes No D To what denth? 20 n.			
Material used in seal Bra Tans Te			-
Did any strata contain unusable water? Yes No Type of water? Joo. Depth of strata 22		府会十一	
Method of sealing strata off	11.		
	100 - 6 ICO		
(7) PUMP: Manufacturer's Name Y/A Type: HP	1 - 1 - 1932		
	14 U		
(8) WATER LEVELS: Land-surface elevation 6 40 st.	P.E.PARTING		
Static level 27 tt. below top of well Date 11-12-83			- November 1
Artesian pressurelbs. per square inch Date			
(Cap, valve, etc.)			-
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	Work started //-/ 1983. Completed //	- /1	<u>-</u>
Was a pump test made? Yes No P I yes, by whom?		. 192	8.3
Yield: gal./min. with ft. drawdown after hrs.	WELL DRILLER'S STATEMENT:		1
<u> </u>	This well was drilled under my jurisdiction ar	nd this repor	t is
<u> </u>	true to the best of my knowledge and belief.		
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)	NAME 5 BS Drilling		7
Time Water Level Time Water Level Time Water Level	(Person, firm, or corporation) (T)	pe or print)	
	Address 3427 W 27 57 F. War	rash !	787
-	4. 7.		
Date of test	Signed Button & Bergun	7	1
Batter test 30 gal /min, with C tt. drawdown after 2 hrs.	(Well Briver)		
Artesian flow NA g.p.m. Date 11-72-83 Temperature of water 18. Was a chemical analysis made? Yes 17 No 1	License No. 0780 Date 11-	- 14 19	8:
Temperature of water was a chemical analysis mader 16 [6] No [1			

· Deba	nd Copy — Owner's Copy	mm//	ELL RE			Application –	. 7	1
	OWNER: Name (b) (6)	E OF W	WASHING	Reck I	5. Hury	E. Wash	tole	
-		5,		the LIX	11305	E - 21	77	3.4
	LOCATION OF WELL: County Ocuques,	See				His sec 26 Th	· Plat	حلــٰ
(3)	PROPOSED USE: Domestic & Industrial Muni	scipal [(10) W	ELL LÓC	3:			
	Irrigation [] Test Well [] Othe	<u> </u>	shown this	kness of agu	tiers and the	icter, size of mater kind and nature o ne entry for each	t the mater	-int 4-
(4)	TYPE OF WORK: Owner's number of well (if more than one)				MATERIAL		FROM	TT
		ored 🖸	Lo	amin GY	avel	houlders (2)	710	17
		riven []	0.40	avel ir	1	4 loam	113	13
				m am	vel Yvi	-' 1"	39	13
(5)		inches.	1 70		ment		54	16
	Drilled 7 0 ft. Depth of completed well 78	t.	GY	evely l	oam		63	6
(6)	CONSTRUCTION DETAILS:			ater be	aring 50	ud forevel	64	17
(0)	Casing installed: 6 "Diam from +1 tt. to 7	18				•		1
	Threaded Diam. from the to							
	Welded PL "Diam. from ft. to		•					
			-					
	Perforations: Yes No B							
	Type of perforator usedin. by							+
	perforations from ft. to							+
	perforations from ft. to							+
	perforations from ft. to	ft.	ļ 	****				+-
	Screens: Yes No R		-					+-
	Manufacturer's Name							+-
	Type Model No						-	+-
	Diam Slot size from ft. to							+-
	Diam. Slot size from ft. to ft.	rt					1	+
	Gravel packed: Yes O No O Size of gravel:							+
	Gravel placed from ft. to							1
	Surface sealt w 5 2 7	3						T
	Surface seal: Yes No B To what depth? 20	n.		AND THE PARTY OF THE PARTY				T
	Did any strata contain unusable water? Yes	No 🗆						
	Type of water? Depth of strata							I
virial and	Method of sealing strata off							1
(7)	PUMP: Manufacturer's Name.							
	Туре: НР		AND THE PARTY OF T	2,000				
(0)	WATER I EVELS. Land-surface elevation							
15 855	above mean sea level	18-71	,				+	+-
	sian pressurelbs. per square inch Date	_n						+
	Artesian water is controlled by					······································		+-
	(Cap, valve, etc.)		h				-	+
(9)	WELL TESTS: Drawdown is amount water level in lowered below static level	s		2.	19 3	Ø	2-25	
Was	a pump test made? Yes No Hyes, by whom?		Work sta	rted		. Completed	10	¥_, 19
Yield	를 잃었다. 사용하는 "여자 이 없이는 말이 있는 것이 없는 "이 사용하는 "이 사용하는 것이 없는 것이 없는 것이 없는 것이 없는 것이다. 그리고 있다.	hrs.	WELL	DRILLE	R'S STAT	EMENT:		
		**	This	well was d	rilled under	my jurisdiction	and this	repo
	" "		true to	the best of	my knowle	dge and belief.	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Reco	every data (time taken as zero when pump turned off) (watenessured from well top to water level)	er level		111	MALIET	Le- []-1	112-5	Γ .
	[18] 전에 18 18 18 18 18 18 18 18 18 18 18 18 18	Level	NAME	(Per	son, firm or	corporation)	(Type or p	ー人(
*******				DLIR	/27	/	11	1
*******			Address	KTIL	UF 153	- C Yearn	worth	_e u
	1 188		14-11 SE		b. /			
A10 01249	Pate of test	ከ r=	[Signed]	1	امت	(Well Driller)	············	
100	sian flowg.p.m. Date		-	7	207		7	
Teme	perature of water Was a chemical analysis made? Yes	No F	License	No	10-7	Date	s-1	19

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STATE OF WASHINGTON

Trype of WORK: Owner's number of wall Depth Dept	nira copy—crimer a copy	Water Right Permit No.					
PROPOSED USE:							
PROPOSED USE:	2) LOCATION OF WELL: County Dougles	5W x NEx soc 15 132 N. R21 WM					
PROPOSED USE:	23) STREET ADDDRESS OF WELL (or nearest address) 100 4 15	TRock Island was 98850					
Abandoned New will Method: Dig Bored Rotary Jeffe Jeffe Rotary Jeffe Rotary Jeffe Rotary Jeffe Rotary Jeffe Rotary Jeffe Rotary Jeffe J	(3) PROPOSED USE: Domestic Industrial Municipal	(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION					
Abandoned New will Deep Bored Deep		thickness of aquifers and the kind and nature of the material in each stratum penetrated					
Dilmensions: Diameter of well		MATERIAL FROM TO					
DIMENSIONS: Diameter of well	Deepened Cable Driven						
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Casing installed: Diam. from ft. to ft.	6) CONSTRUCTION DETAILS:	Cas fara Tad MASSUTU					
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Descriptions from							
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Screens: Yes No Manufacturer's Name Type	# 100 400 D						
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Surface seal: Yes No To what depth?							
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Type of water? Depth of strata	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]						
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WATER LEVELS: Land-surface elevation above mean sea level Static level ft. below top of well Date Artesian pressure lbs. per square inch Date Artesian water is controlled by (Cap, vaive, etc.)) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? Yes No ft. drawdown after hrs. """""""""""""""""""""""""""""""""""							
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Date of test							
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· · · · · · · · · · · · · · · · · · ·	Date of test	- 1.1.000					
Baller test cal./min, with ft, drawdown after hrs. (WELL DRILLER)	Baller test gal, /min, with ft. drawdown after hrs.	(Signed) (WELL DRILLER) (WELL DRILLER)					
Airlest gal/min, with stem set at ft. for hrs. Registration, D 1244/		Contractor's					
Artesian flow Q.p.m. Date No No No 195		THE POLICE OF THE SECOND SECON					
Temperature of water Was a chemical analysis made? Yes No (LISE ADDITIONAL SHEETS IF NECESSARY)	The state of the s	- WOR ADDITIONAL CHIEFTO IS A SCHOOL BANK					

WORKSHEET 1 SUMMARY SCORE SHEET

JUN 2 5 1991

DEPARTMENT OF ECOLOGY
CENTRAL REGION APPENDIX

Site Name: SILICON METALTECH LAGOON SITE

Site Location: (City, County, or Section/Township/Range)

Rock Island, WA Douglas County

Site Description: (Include management areas, compounds of concern, and quantities)

Silicon Metaltech is an active silicon smelting plant. Eight metal fume waste lagoons are present at the facility. Three are active and five are inactive. One of the inactive lagoons is lined with plastic. The facility generates 40 tons of fume every 16 hours. A water slurry is pumped to the lagoons for settling in series. Lagoons contain various metals, although not RCRA hazardous based on TCLP.

Quantity: 40 tons/day x 260 days/yr x at least 3 yrs = 31,200 tons

Special Considerations: (Include limitations in site file data, data which cannot be accommodated in the model, but which are important in evaluating the risk associated with the site)

Air route scored using waste pile definition to accommodate potential release of particulates from dried out impoundments.

ROUTE SCORES:

Ground Water/Human: 24.7

Overall Rank:

Surface Water/Human:

7.9

Air/Human:

25.7

Air/Environmental:

0.0

Surface Water/Environmental:

25.3

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WORKSHEET 2 ROUTE DOCUMENTATION

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SURFACE WATER ROUTE	
List substances to be considered for scoring.	Source:
Lead, arsenit, cadurum	Source.
chromium, mercury	
Explain basis for choice of substances to be used in scoring.	
List management units to be considered in scoring:	Source:
Surface impoundments	
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Explain basis for choice of unit used in scoring.	
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ets.	
AIR ROUTE	
. SS2	
List substances to be considered for scoring.	Source:
Lead, arsenic, end norm, chromium,	v
mercing.	3
Explain basis for choice of substances to be used in scoring.	
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List management units to be considered in scoring:	Source:
Explain basis for choice of unit used in scoring. Explain basis for choice of unit used in scoring. Particulate relativest	· C
Explain basis for choice of unit used in scoring.	5 F 7 /
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WORKSHEET 2 (CONTINUED) ROUTE DOCUMENTATION

GROUND WATER ROUTE	
List substances to be considered for scoring.	Source:
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Explain basis for choice of substances to be used in scoring.	
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List management units to be considered in scoring:	Source:
Impoundments.	
Explain basis for choice of unit used in scoring.	840 et g
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WORKSHEET 3 SUBSTANCE CHARACTERISTIC WORKSHEET FOR MULTIPLE UNIT/SUBSTANCESITES

	Combination 1	Combination 2	Combination 3
Unit: Substance:		·	
AIR ROUTE			
Human Toxicity/Mobility Value:			
EnvironmentalToxicity/ Mobility Value:	·		
Containment Value:			
Air Human Subscore:	·		
Air Environmental Score:			
SURFACE WATER ROUTE			
Human Toxicity Value:			
Environmental Toxicity Value:			
Containment Value:			·
Surface Water Human Subscore:			``
Surface Water Environmental Subscore:			
GROUND WATER ROUTE		\	
Human Toxicity/Mobility Value:	,	V.	
Containment Value:			
Ground Water Subscore:			
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WORKSHEET 4 SURFACE WATER ROUTE

1.0	SUBST	ANCE CHA	RACTERIS	TICS					
1.1	Humar	Toxicity	•						,
Substance		Drinking Water S	id, Value	Chronic Toxici mg/kg/day	y Value	Acute Toxicity mg/kg-bw	Value	Carcinogenci Potency WOE Factor	Value
1. Merci 2 Land 1. Chrom 5. Argu 8. Codm	un		8000		०००५		5045		70020
1.2	Enviror	nmentalTox	icity					Source: nest Value: us Points?: Value:	
		•			٠		Source	e: Value	: 8
Substa	nce .	Acute Crite (µg/L)		-human man e toxicity (m		Value	٠.		
1. 7 5 2. 3. 4. 4. 5. 6.						8 & 2 4 8			
1.3		nce Quantit basis: 3	•	tons			Source	e:/_Value	:_9_
2.0 MIGRATION POTENTIAL 2.1 Containment D. Le cierdition expanently soul Source: 1 Value: 4 Explain basis: main i ally naintained Free boads									
2.2 2.3 2.4 2.5 2.6	Surface Soil Permeability: Aranel Source: / Value: / Total Annual Precipitation: \$, \$ 10.5 Source: / Value: / Maximum 2-Year 24-Hr Precipitation: \$. O Source: / Value: / Flood Plain: 500 4 r Source: / Value: / Terrain Slope: 2 6 9 5 Source: / Value: 2								

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WORKSHEET 4 (CONTINUED) SURFACE WATER ROUTE

ŭ.	3.0 3.1 3.2 3.3 3.4 3.5	Distance to Surface Water: 500 ft Population Served within 2 miles: 0 Area Irrigated by Sources within 2 miles: 141 0.751 Distance to Fishery Resource: 500 ft Columb a R Distance to Sensitive Environment: 500 ft List:	Source: _/_ Value: _/ \dots Source: _/_ Value: _O Source: _/_ Value: _9 Source: _/_ Value: _/ Z Source: _/_ Value: _/ Z
	4.0	Explain basis: Lagons out Falls under NPDES permit - no other evidence.	Source: / Value: O
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WORKSHEET 5 (CONTINUED) AIR ROUTE

- 1.0 SUBSTANCE CHARACTERISTICS
- 1.1 Introduction - please review before scoring
- 1.2 **Human Toxicity**

Substance	Air Std.		Chronic Toxicity	Chronic Toxicity		Acute Toxicity		Carcinogencity Potency		
	μg/m ³	Value	mg/kg/day	Value	mg/kg-bw	Value	WOE	Factor	Value	
TAUAC		000000		28		\$0\$ 000			09000	

Source:

Highest Value: 10

+2 Bonus Points?:

Toxicity Value: 1 >

- 1.3 Mobility
 - **Gaseous Mobility** 1.3.1 Vapor Pressure: _

Source:

Value: Particulate Mobility 1.3.2

Soil Type: <u>Fune</u> <u>dustsscored as fine</u> sand - 3 resource: ______
Erodibility: <u>220.</u> Farticles

Climatic Factor: _ 10-30 Value: __ Particulate Mobility Potential

1.4 Final Human Health Toxicity/Mobility Matrix: Value: 2 4

1.5 Environmental Toxicity/Mobility

Substance	Non-human mammalian Acute Toxicity	Value	Mobility	Value
7 5 C B B 1. 2. 3. 4. 5. 6.		00000	4 4 4 4	

Environmental Toxicity Mobility Matrix:

Source: ____ Value: 20

Substance Quantity: 31,200+ons 1.6

Source: / Value: 9

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WORKSHEET 5 AIR ROUTE

2.0	MIGRATION POTENTIAL	
2.1	Containment: waste ple outdowns + wicovered	Source: / Value: /)
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3.0	TARGETS	
3.1	Nearest Population: < 1000 Ff	Source: Value: O
3.2	Nearest Sensitive Environment: 5, te in industrial	Source: / Value: O
	anco, no sensitive environments	·
	for this route in one mule	
3.3	Population within 1/2 mile: 220	Source: Value:
0.0	· operation within 1/2 hine.	Valoc
4.0	RELEASE: No widence	Source: / Value: _ O
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WORKSHEET 6 GROUND WATER ROUTE

1.0	SUE	JBSTANCE CHARACTERISTICS									
1.1	Hur	man Toxicity						98	8		
Substance		Drinking Water	Std.	Chronic Toxicit	Ŋ	Acute Toxicity		Carcinogeno	ity		
		(New)	Value	mg/kg/day	Value	mg/kg-bw	Value	WOE Factor	Value		
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1.2	Mob Sub	oility o	a plug	3		er er er er er er er er er er er er er e	+2 Bon	Source:	2 10		
1.3	Substance Quantity Explain basis: 31, 200 tous Source: Value: 9										
2.0	MIG	RATION POTE	ENITIAL		1742				ž.		
2.1	Con	tainment	Dilics-f	No liner powers so rd mann nes of flu	a ad 1	0	Source:	:/ Value:	<u> </u>		
2.2	Net	Precipitation:	3.0				Source: / Value: /				
2.3		surface Hydra			-1			/ Value:	7.55		
2.4		ical Depth to				minated		Value:	Action to the second		
3.0	TAR	GETS		50							
3.1		und Water Usa					Source	: Value	: 9		
3.2	Dista	ance to Neare	st Drinking	Water Well:	< 60	0 Ft	Source	: Value	:_5_		
3.3		ulation Served		All and the state of the state			Source	: <u>/</u> Value	12		
3.4	Area	Irrigated by \	Vells within	2 miles: 4	56	0.75	Source	: Value	: <u>db</u>		
4.0		EASE ain basis: <u></u> ∱	naliption	al evi	den		Source	:_/_ Value	:_5_		

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WORKSHEET 7 SOURCES USED IN SCORING

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WASHINGTON RANKING METHOD

ROUTE SCORES SUMMARY AND RANKING CALCULATION SHEET

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City, cou	inty:	Rock Island,	Douglas						
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Pathway	Route Score(s)	Quintile Group number(s)	Priority	scor	es:				
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Air-HH	25.7	4	8						
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SW-En	25.3	_3	9 + 2 H² + 2 7	<u>L</u> -	+	4	2 +	-	1=2
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Sed-En			Human	E	nvi	ron	men	t	
lice the m	atrix pres	ented to	Health	5	4	3	2	1	N/A
		th the two							IV/A
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WORKSHEET 1 SUMMARY SCORE SHEET

DEPARTMENT OF ECOLOGY CENTRAL REGION OFFICE

Site Name: SILILCON METALTECH LAB SITE

Site Location: (City, County, or Section/Township/Range)

Rock Island, WA **Douglas County**

Site Description: (Include management areas, compounds of concern, and quantities)

Silicon Metaltech is an active silicon smelting plant located in Rock Island. The former quality control laboratory building present at the site was razed, and mercury contaminated soil discovered. The bulk of the mercury-contaminated soil has been removed, placed in plastic-lined and uncovered crates and stored outside. Some contaminated soil still remains in the subsurface. Excavation occurred in 1988.

Quantity: Stockpiled boxed 60 64 ft³ boxes = 142 yd³ available to <u>air</u> route. Ground water route scored as unknown quantity since unknown amount of contaminated soil remains.

Special Considerations: (Include limitations in site file data, data which cannot be accommodated in the model, but which are important in evaluating the risk associated with the site)

Surface water route not scored.

Scored air route using vapor pressure for mercury, not particulate mobility. Gravelly soils indicate no particulate mobility potential for other metals.

ROUTE SCORES:

Ground Water/Human:

37.9

Overall Rank:

Surface Water/Human:

NS

Air/Human:

20.3

Air/Environmental:

Surface Water/Environmental: NS



WORKSHEET 2 ROUTE DOCUMENTATION

	19
SURFACE WATER ROUTE	
List substances to be considered for scoring.	Source:
Explain basis for choice of substances to be used in scoring.	
List management units to be considered in scoring:	Source:
Explain basis for choice of unit used in scoring.	
Explain basis for choice of this used in scoring.	
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AID DOUTE	
AIR ROUTE	
	-
List substances to be considered for scoring.	Source:
	Source:
List substances to be considered for scoring.	Source:
List substances to be considered for scoring. Mercury, hroming, lead, cadmium arcure.	Source:
List substances to be considered for scoring. Mercury, hronium, lead, cadmium arcure. Explain basis for choice of substances to be used in scoring.	Source:
List substances to be considered for scoring. Mercury, chronium, lead, cadmium arcure. Explain basis for choice of substances to be used in scoring. Stockfiled makerial	×
List substances to be considered for scoring. Mercury, Chronium, lead, cadmium arcure. Explain basis for choice of substances to be used in scoring. Stockfiled material List management units to be considered in scoring:	×
List substances to be <u>considered</u> for scoring. Mercury, hronium, lead, cadmium are cure. Explain basis for choice of substances to be used in scoring. Stockfiled makerial List management units to be <u>considered</u> in scoring: Microred 64 - cubic foot contamens	•
List substances to be <u>considered</u> for scoring. Mercury, hronium, lead, cadmium are cure. Explain basis for choice of substances to be used in scoring. Stockfiled makerial List management units to be <u>considered</u> in scoring: Microred 64 - cubic foot contamens	×
List substances to be <u>considered</u> for scoring. Mercury, hronium, lead, cadmium are cure. Explain basis for choice of substances to be used in scoring. Stockfiled makerial List management units to be <u>considered</u> in scoring: Microred 64 - cubic foot contamens	•

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WORKSHEET 2 (CONTINUED) ROUTE DOCUMENTATION

GROUND WATER ROUTE	
List substances to be <u>considered</u> for scoring. Mercury, arscnic chromum lead	Source:
Explain basis for choice of substances to be used in scoring.	
List management units to be considered in scoring:	Source:
contaminated soil in unknown quant	ity
Explain basis for choice of unit used in scoring.	
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WORKSHEET 3 SUBSTANCE CHARACTERISTIC WORKSHEET FOR MULTIPLE UNIT/SUBSTANCE SITES

	Combination 1	Combination 2	Combination 3
Unit: Substance:		·	
AIR ROUTE			
Human Toxicity/Mobility Value:			
Environmental Toxicity/ Mobility Value:	·	·	·
Containment Value:			
Air Human Subscore:			
Air Environmental Score:			
SURFACE WATER ROUTE			
Human Toxicity Value:			,
Environmental Toxicity Value:			·
Containment Value:			
Surface Water Human Subscore:			
Surface Water Environmental Subscore:			
GROUND WATER ROUTE			
Human Toxicity/Mobility Value:			
Containment Value:			\
Ground Water Subscore:			

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WORKSHEET 4 SURFACE WATER ROUTE

1.1	Huma	n Toxicity								
Substance		Drinking Water	Std.	Chronic Toxic	ity		Acute Toxicity	,	Carcinogen Potency	
3003111.104		(Nov)	Value	mg/kg/day	Value		mg/kg-bw	Value	WOE Facto	
			·							
								Hiol	Source: _ hest Value: _	
								+2 Bon	us Points?: _	
									Value: _	
1.2	Enviro	nmentalTo	exicity	\						
		-						Source	e: Valu	e:
Subst	ance	Acute Cri (µg/L)	1	n-human man ite toxicity (m			Value			
		(Hg/L)	acc	ne toxicity (iii	9/19/					
1. 2. 3. 4. 5.										
1.3	Substa	ance Quant	itv			1		Source	e: Valu	e:
		n basis:	•			`	`\ `\			
							•			
2.0	MIGRA	TION POT	ENTIAL				X.			
2.1	Contai	nment						Source:	Value	·
	Explair	n basis:					-			
2.2	Surfac	e Soil Perm	neability:				-	Source:	Value	
2.3								`	Value	
2.4				ipitation:					Value	
2.5									Value	
2.6									Value	

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WORKSHEET 4 (CONTINUED) SURFACE WATER ROUTE

3.0	TARGETS	
3.1	Distance to Surface Water:	Source: Value:
3.2	Population Served within 2 miles:	Source: Value:
3.3	Area Irrigated by Sources within 2 miles:	Source: Value:
3.4	Distance to Fishery Resource:	Source: Value:
3.5	Distance to Sensitive Environment:	Source: Value:
	List:	
		<u> </u>
		*
4.0	RELEASE	
	Explain basis:	Source: Value:
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WORKSHEET 5 (CONTINUED) AIR ROUTE

Substance	Air Std. μg/m ³	Value	Chronic Toxicity	Value	Acute Toxicity	Value	WOE	Potency	•
Mercury Arsenic Chronium Vocal	<i>ру</i> лт-	Value 00 10 10 10 10 10 10 10 10 10 10 10 10		Value	mg/kg-bw	200°00	WOE	Factor	Value 09 00 g
ource:lighest Value: 2 Bonus Poir oxicity Value:	nts?: <u>Z</u> Z	Ц	q-3	1					
1.3 Mob 1.3.1	Gaseous Me	obility sure:	•			Sourc	e:		
1.3.2		Mobility							
1.3.2	Particulate No Soil Type: _ Erodibility: _ Climatic Fac	22 . ctor: 10	-30	lue: D		Sourc	e:	-	
1.4 Final	Particulate Noil Type: _ Erodibility: _	TZ Ctor: 10 Mobility Pote	-30 ential Va	lue: <u>D</u>		Sourc	e:	- Value	: <u> </u>
1.4 Final	Particulate Noil Type: _ Soil Type: _ Erodibility: _ Climatic Fac Particulate Note:	Toxicity/Mobility mammaliar	- 3 👝 ential Va obility Matrix	lue: <u>D</u>	Value	Sourc	e:	-	: <u> </u>
1.4 Final	Particulate Noil Type: _ Erodibility: _ Climatic Fac Particulate Non-human Acute Toxic	Toxicity/Mobility mammaliar	-30 ential Va obility Matrix	lue: <u>D</u>		Source	e:	-	: <u> </u>

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WORKSHEET 5 AIR ROUTE

2.0 2.1	MIGRATION POTENTIAL Containment: Above ground (ontainer) worker pule out doors uncourned	Source: / Value: /O
3.0 3.1 3.2	Nearest Population: 1000 Ff Nearest Sensitive Environment: 51 fe is in judicative of the last of the sensitive environments for this route within one multi-	Source: Value: Source: Value:
3.3	Population within 1/2 mile: 2 2 D	Source: Value:
4.0	RELEASE: No evidence For lab site.	Source: / Value:

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WORKSHEET 6 GROUND WATER ROUTE

1.0	SUBSTANCE CHA	RACTERIS	TICS						
1.1	Human Toxicity								
Substance	Drinking Water S	Nd.	Chronic Toxicity	′ [Acute Toxicity			ogencity tency	7
00000	(h9/l)	Value	mg/kg/day	Value	mg/kg-bw	Value		Factor	Value
1. Merce 2. Lead 4. Chrm 5. Arser 6. Arser)	desa		43000		40-104	Source		00070
1.2	Mobility # 5 Substance: Cd	9 3 2 3 3		·····		+2 Boni	Sourc nest Valuus Points Valuus: _/ V	e:; ?:; e:	
1.3	Substance Quantit	•	<u> </u>		•	Source	e: <u>/</u> V	alue:	
2.0 2.1	MIGRATION POTE Containment Explain basis: • •		uated.	so il	<u> 10</u>	Source:	Va	ilue: _	(さ
2.2 2.3 . 2.4	Net Precipitation: _ Subsurface Hydrau Vertical Depth to G	ulic Conduc	ctivity: 10		<u>win</u> ated	Source:	/ Va	ilue: _	4
3.0 3.1 3.2 3.3 3.4	TARGETS Ground Water Usa Distance to Neares Population Served Area Irrigated by V	nge: <u>PW21 r</u> st Drinking V with 2 mile	<u></u>	11 ev v 668	ate supple	Source Source	:	alue: ˌ alue: ˌ	12
4.0	RELEASE Explain basis: A	ralyti	رما حدا	dsm	<u></u>	Source	: <u>1</u> V	alue: _.	5

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SITE REGISTER TOXICS CLEANUP PROGRAM

August 25, 1992 Special Issue

This issue includes the Hazardous Sites List (HSL), the high priority sites selected for site hazard assessment (SHA) and remedial investigation/feasibility study (RI/FS), removals from the HSL and sites which after assessment have been determined to require no further action (NFA).

HAZARDOUS SITES LIST and NOTICE OF HAZARD RANKINGS by Responsible Section

This is an updated HAZARDOUS SITES LIST as required by WAC 173-340-330. It includes all sites which have been assessed and ranked using the Washington Ranking Method (WARM). Also listed are National Priority List sites. Future additions to the List, changes in remedial status of sites on the List and removal from the List will be published twice a year. Placement of a site on the Hazardous Sites List does not, by itself, imply that persons associated with the site are liable under Chapter 70.105D RCW. For additional information about a site on this List, please contact the appropriate indicated person. Direct questions regarding HAZARDOUS SITES LIST or SITE REGISTER circulation to Sherrie Hanson at (206) 438-3017 or 1-800-458-0920.

CENTRAL REGION

Contact Person: Mark Peterschmidt (509) 454-7840

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Benton	Ben Franklin Transit	Richland	5♦	Independent RA
	#CENEX	Kennewick	4◊	Independent RA
	Oggie's Mini-Mart	Prosser	5♦	Independent RA
	Simplot	Prosser	4	Independent RA
Chelan	Cascade Helicopter	Cashmere	2	RA in Progress
	Cashmere Landfill	Cashmere	1	Awaiting RA
	Dryden Landfill	Dryden	4	Awaiting RA
	Glacier Park	Leavenworth	1	RA in Progress
	Holden Mine Tailings	Holden	1	Independent RA
	Manson Landfill	Manson	2	Awaiting RA
	Unocal Bulk Plant #0082	Chelan	1	Awaiting RA
	Unocal Bulk Plant #0853	Wenatchee	1	Awaiting RA
	Unocal Service Station #4942	Wenatchee	4◊	Awaiting RA
	WSU Tree-Fruit Research Unit			
	(Wenatchee Pesticide Lab)	Wenatchee	3	Independent RA
Douglas	Beebe Orchard Dump	Chelan Falls	5	Awaiting RA
	Inland Air Service			
	(Fancher Field)	East Wenatchee	4	Awaiting RA
	Silicon Metaltech Inc.			
	Lab. Site	Rock Island	5	Awaiting RA
	Silicon Metaltech Inc.			
	Lagoon Site	Rock Island	4	Awaiting RA
Kittitas	Big B Mini-mart (Exxon)	Ellensburg	4	Awaiting RA
	Bingo Fuel Stop	Thorp	2	RA in Progress
	Mid-State Aviation	Ellensburg	3	Awaiting RA

^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

^{**}National Priorities List sites, ranked under the Federal Hazard Ranking system.

^{***}STATUS: Remedial Action (RA), Independent RA (IRA)

[♦] Groundwater is the only affected pathway at this site.

[#] New site added to the ranked list August, 1992.

[@] New site added to the National Priorities List.

CENTRAL REGION (Cont.)

Contact Person: Mark Peterschmidt (509) 454-7840

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Klickitat	Town Pump Station	White Salmon	1	RA in Progress
Okanogan	Arden's Country Store	Malott	3	RA in Progress
	Brett Pit	Grand Coulee Dam	2	Awaiting RA
	Eisen Chevron Station	Oroville	2	RA in Progress
	Gebbers Farm Dump	Brewster	1	Awaiting RA
	Minnie Mine	Carlton	2	RA in Progress
	Molson Dump	Molson	5	Awaiting RA
	Oroville Dump	Oroville	5	Independent RA
	Pariseau Farm Dump	Brewster	2	Awaiting RA
	Tonasket Post & Rail	Tonasket	5	Awaiting RA
	USDOI-BLM Kaaba Texas Mine	Nighthawk	1	RA in Progress
Yakima	Bay Chemical Company (former		_	- 8
	E. Washington Ave. site)	Yakima	2	RA in Progress
	Bee-Jay Scales (Valley		4 57 -	
	Agriculture)	Sunnyside	1	Awaiting RA
	Boise Cascade	Naches	ī	Independent RA
	Briar Development Company	Yakima	3	RA in Progress
	Cameron-Yakima, Inc.	Yakima	í	RA in Progress
	Cascade Natural Gas	Sunnyside	ī	RA in Progress
	Cliff's Battery Service	Sunnyside	4	Awaiting RA
		Yakima	3	
	CMX Corporation		1	RA in Progress
	Comet Trailer Corp.	Selah	4	Awaiting RA
	Consolidated Freightways	Yakima		Independent RA
	Evergreen Products	Parker	3	Awaiting RA
	Frank Wear Cleaners	Yakima	1	RA in Progress
	Hahn Motor Company	Yakima	5	RA in Progress
	Irwin Research and	** 1 *	0	
	Development, Inc.	Yakima	2	Awaiting RA
	Jackpot Station	Union Gap	40	Awaiting RA
	Johnny's Texaco	Sunnyside	4	RA in Progress
	Kellogg's Korner	Sunnyside	1	RA in Progress
	La Rosita	Sunnyside	40	Awaiting RA
	#Maid O'Clover - E. Nob Hill Blvd.	Yakima	2	Independent RA
	Manhole 34	Sunnyside	1	RA in Progress
	Northwest Truck Repair	Union Gap	40	Awaiting RA
	Nu-Way Cleaners	Yakima	1	RA in Progress
	Old Selah Dump Site	Selah	50	Awaiting RA
	Outlook School	Outlook	5◊	IRA Conducted
	Paxton Sales Corporation	Yakima	1	RA in Progress
	Pederson Fryer Farms	Moxee	3	IRA Conducted
	Pit Stop	Naches	2	Awaiting RA
	Rainier Plastics Co.	Yakima	3	Awaiting RA
	Richardson Airways	Yakima	2	RA in Progress
	Section 18 Dump	Wapato	3	Awaiting RA
	Shields Bag and Paper Co.	Yakima	50	Awaiting RA
	Snipes Mountain Landfill	Sunnyside	4	Awaiting RA
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^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

^{**}National Priorities List sites, ranked under the Federal Hazard Ranking system.

^{***}STATUS: Remedial Action (RA), Independent RA (IRA)

\$\rightarrow\$ Groundwater is the only affected pathway at this site.

New site added to the ranked list August, 1992.

@ New site added to the National Priorities List.

CENTRAL REGION (Cont.)

Contact Person: Mark Peterschmidt (509) 454-7840

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Yakima	Southgate Laundry	Yakima	3	Awaiting RA
(cont.)	#Superior Asphalt	Yakima	1	RA in Progress
	Sunnyside Municipal Well	Sunnyside	5◊	Awaiting RA
	Tiger Oil Corporation	•		_
	(24th and Nob Hill)	Yakima	1	RA in Progress
	Tiger Oil Corporation			•
	(North 1st Street)	Yakima	3	Awaiting RA
	Toppenish School District			_
	(#202 Bus Garage)	Toppenish	4◊	Awaiting RA
	Valley Cleaners	Sunnyside	2	Awaiting RA
	Van Cleave Body Shop	Yakima	1	Awaiting RA
	Woods Ind. (Crop King)	Yakima	1	RA in Progress
	Yakima County (former Crest			_
	Linen)	Yakima	1	RA in Progress
	Yakima Valley Spray	Yakima	1	RA in Progress
	Zwight Logging	Yakima	3	Awaiting RA

EASTERN REGION

Contact Person: Patti Carter (509) 456-6167

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Adams	Burlington Northern-Othello	Othello	1	RA in Progress
	CMC Real Estate	Othello	5	Awaiting RA
	Harold's Deli	Othello	5	RA in Progress
	Puregro	Othello	5	Awaiting RA
	Puregro	Ritzville	5	Awaiting RA
	Soil & Crop	Othello	2	RA in Progress
	T-16 Ranch	Lind	5	Independent RA
	WWT Batum Facility	Batum	5	Awaiting RA
Asotin	Asotin County Landfill	Clarkston	5◊	Awaiting RA
Ferry	Hecla Knob Hill Mine	Republic	5	Awaiting RA
Franklin	#Glen's Metals	Pasco	5♦	Awaiting RA
	Pasco Landfill	Pasco	**	RA in Progress
	Port of Pasco	Pasco	1	RA in Progress
	Puregro	Pasco	1	Awaiting RA
	#Smith Canyon	Pasco	5	Independent RA
Grant	Ephrata Landfill	Ephrata	5	Awaiting RA
	Grant Co. Dangerous Waste Site	Royal City	5◊	Awaiting RA
	International Titanium	Moses Lake	4	Awaiting RA
	Puregro	Moses Lake	5	Awaiting RA
	Puregro	Quincy	5	Awaiting RA
	Puregro	Warden	5	Awaiting RA
	Vista Corner Texaco	Moses Lake	3	Awaiting RA
Lincoln	Puregro	Wilbur	5	Awaiting RA
Pend Orei	lleCusick School District	Cusick	5◊	Cleanup Conducted

^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

^{**}National Priorities List sites, ranked under the Federal Hazard Ranking system.

***STATUS: Remedial Action (RA), Independent RA (IRA)

\$\displaystyle \text{Groundwater}\$ is the only affected pathway at this site.

\$\displaystyle \text{New site added to the ranked list August, 1992.}

[@] New site added to the National Priorities List.

EASTERN REGION (Cont.)

Contact Person: Patti Carter (509) 456-6167

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Spokane	Alaska Steel and Supply	Spokane	4	Awaiting RA
451	Alum. Recycling Corp. (Wellesley)	Spokane	2	Awaiting RA
	#American Tar Company	Spokane	50	Awaiting RA
	Argonne Road	Spokane	3	RA in Progress
	B.J. Carney & Company	Spokane	40	Awaiting RA
	Burlington Northern-Hillyard	Spokane	4	Awaiting RA
	#Cummins Northwest	Spokane	5♦	Independent RA
	Four Lakes Tire Fire	Four Lakes	5♦	Awaiting RA
	#Geiger-Conoco Fuel Storage	Spokane	5♦	Awaiting RA
	#Geiger-SIA-Fire Training Area	Spokane	4	Awaiting RA
	#Geiger-SIA-Fuel Farm	Spokane	5♦	Independent RA
	#Geiger-SIABP-COE Geiger Field	Spokane	2	Independent RA
	#Geiger-SIABP-			
	Corrections Facility	Spokane	5♦	Awaiting RA
	#Geiger-SIABP-Shamrock Paving	Spokane	5♦	Awaiting RA
	General Electric (Spokane Shop)	Spokane	**	RA in Progress
	Greenacres Landfill	Greenacres	**	RA in Progress
	Inland Empire Plating	Spokane	1	Independent RA
	Inland Metals, Inc	Spokane	2	Independent RA
	Inland Pit	Spokane	**	Awaiting RA
	#Koch Materials Co.	Spokane	3	Awaiting RA
	Marshall Landfill	Marshall	4	Awaiting RA
	Mica Landfill	Mica	**	RA in Progress
	North Market Street	Spokane	**	RA in Progress
	Spokane Junkyard	Spokane	3	Awaiting RA
	Spokane Transit Authority			
	(Bus Barn)	Spokane	5♦	Independent RA
	United Parcel Service	Spokane	5♦	Awaiting RA
	Washington State Dept. of	129.86.		
	Transportation-Mayfair	Spokane	5♦	Awaiting RA
Stevens	Whitten Oil Exxon	Colville	3	RA in Progress
Walla Walla	a Walla Walla Farmers Coop	Walla Walla	1	RA in Progress
Whitman	Endicott School District	Endicott	4	RA in Progress
	Garfield School District	Garfield	5♦	RA in Progress
	Oakesdale City Well #4	Oakesdale	4	Cleanup Conducted
	Palouse Producers	Palouse	1	RA in Progress
	WSU Landfill	Pullman	4	Awaiting RA

^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

^{**}National Priorities List sites, ranked under the Federal Hazard Ranking system.

***STATUS: Remedial Action (RA), Independent RA (IRA)

\$\delta\$ Groundwater is the only affected pathway at this site.

\$\delta\$ New site added to the ranked list August, 1992.

[@] New site added to the National Priorities List.

INDUSTRIAL SECTION

Contact Person: Paul Skyllingstad (206) 586-0583

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Clallam	Daishowa America Co.	Port Angeles	5	Independent RA
Clark	ALCOA (Vancouver Smelter)	Vancouver	**	RA in Progress
	Columbia Marine Lines	Vancouver	4	Cleanup Conducted
Cowlitz	Longview Fibre	Longview	5	Awaiting RA
	Reynolds Metals	Longview	5	Awaiting RA
	Weyerhaeuser - Longview	Longview	1	RA in Progress
Klickitat	Columbia Aluminum Corp	Cliffs	3	Awaiting RA
Pierce	Kaiser Aluminum Chemical Corp.	Tacoma	4	RA in Progress
Spokane	Kaiser Aluminum Mead Works	Mead	**	RA in Progress
Whatcom	Georgia Pacific Biotreatment Lagoon	Bellingham	2	Awaiting RA
	Georgia Pacific Corporation	Bellingham	5	Awaiting RA

NORTHWEST REGION

Contact Persons: Judy Aitken (206) 649-7135 Elaine Atkinson (206) 649-7042

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
King	Ace Galvanizing Inc.	Seattle	4	Awaiting RA
-3-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	Advance Electroplating	Seattle	5	Awaiting RA
	Alaska Pacific Fisheries	Seattle	1	Awaiting RA
	ARCO Tank Farm	Seattle	2	RA in Progress
	Auburn Fire Department	Auburn	2 3	Awaiting RA
	BNR - Balmer Yard	Seattle	5	Independent RA
	BNR - Interbay	Seattle	1	Independent RA
	BNR - Roundhouse			ALL CONTROL OF THE PROPERTY OF
	(Skykomish Train Yard)	Skykomish	1	RA in Progress
	Boeing Plant #2	Seattle	1	Awaiting RA
	#Borden Chemical	Kent	1	Awaiting RA
	#C & F Auto Wrecking	Duval1	1	Awaiting RA
	#Cedar Hills Landfill	Maple Valley	1	Independent RA
	Central Painting	Seattle		Awaiting RA
	Champion International-Ballard	Seattle	2 1	RA in Progress
	Chemcentral Solvents	Kent	1	Independent RA
	Eastern Supply	Seattle	1 2	RA in Progress
	Gas Works Park	Seattle	1	RA in Progress
	#G.E. Apparatus Service Center	Kent	3	Awaiting RA
	Harbor Island	Seattle	**	RA in Progress
	J.H. Baxter Company, Inc.	Renton	1	RA in Progress
	Kenmore Industrial Park (formerly			3
	Kenmore Building Materials)	Kenmore	1	Awaiting RA
	Kent Highlands	Kent	**	RA in Progress
	Kent Sewage Lagoons	Kent	4	Awaiting RA
	Laidlaw	Seattle	4	Awaiting RA
	Lake Union Dry Dock	Seattle	1	Awaiting RA
	Lake Washington School District	Kirkland	5	Cleanup Conducted
	W-2			5 5

*Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

**National Priorities List sites, ranked under the Federal Hazard Ranking system.

***STATUS: Remedial Action (RA), Independent RA (IRA)

♦ Groundwater is the only affected pathway at this site.

New site added to the ranked list August, 1992.

@ New site added to the National Priorities List.

NORTHWEST REGION (Cont.)

Contact Persons: Judy Aitken (206) 649-7135 Elaine Atkinson (206) 649-7042

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
King	Landsburg Mine - Rogers Seam	Black Diamond	1	
(cont.)	LIDCO Liquid Waste Disposal Co.	Kent	1	RA in Progress
(conc.)	Lindal Property	Kent	4	RA in Progress Awaiting RA
30	Lockheed Ship Building	Seattle	ĭ	RA in Progress
	Longview Fibre-King Co.	Seattle	5	RA in Progress
	Malarkey Asphalt	Seattle	1	Awaiting RA
	Maralco Aluminum	Kent	2	RA in Progress
	Marine Vacuum Service	Seattle	3	Awaiting RA
	#Markey Property	Seattle	3	Awaiting RA
	Metro Lake Union Tank Farm	Seattle	ĭ	Awaiting RA
	Metro South Base	Seattle	ī	Awaiting RA
	Midway Landfill	Kent	**	RA in Progress
	Mobil Bulk Facility	Renton	5	RA in Progress
	Monterey Apartments	Seattle	3	RA in Progress
	#Newcastle/Coal Creek Landfill	Newcastle	5	Awaiting RA
	Northwest Cooperage	Seattle	4	Awaiting RA
	Northwest Powder Coats	Kent	5◊	Awaiting RA
	Old Lawson Road (Accurate	Relic	J V	Awaiting KA
	Enterprises/Bowen Prop.)	Black Diamond	2	Awaiting RA
	Pacific Car & Foundry Co. (PACCAR)		**	RA in Progress
	Pacific Way South 252nd	Kent	4	Awaiting RA
	Pioneer Porcelain Enamel Co.	Seattle	5	Awaiting RA
	Precision Engineering	Seattle	1	Independent RA
	Quendall Terminals	Renton	ī	RA in Progress
	Reichhold Chemical/Lonestar Cement		1	Awaiting RA
	Shell Oil - Old Terminal 18	Seattle	5	RA in Progress
	Shell Tank Farm	Seattle	4	RA in Progress
	Slag Disposal/Beckwith Property	Kent	3	RA in Progress
	Sternoff Metals	Seattle	5	Independent RA
	Sunset Park/Tub Lake -			211-0-
	King Co. Dept. Public Works	SeaTac	3	Awaiting RA
	#Texaco Marketing/Refinery -		**	
	Harbor Island	Seattle	1	Awaiting RA
	Union Station	Seattle	5◊	Awaiting RA
	Unocal Seattle Market Terminal	Seattle	4	RA in Progress
	#VIOX/McDowell Property	Seattle	5◊	Awaiting RA
	Western Batteries	Seattle	3	Independent RA
	Zandt Brass Foundry	Seattle	4	RA in Progress
Kitsap	#Bainbridge Island Landfill	Bainbridge	i	Awaiting RA
	Bethel Wells (former Texaco)	Bethel	5◊	RA in Progress
	Chevron Tank Farm	Bremerton	2	Independent RA
	Country Junction Store	Port Orchard	4	RA in Progress
	Day Road Industrial Park	Bainbridge Island		Awaiting RA
	Hansville Landfill	Little Boston	1	Awaiting RA
	Lofthas Bulk Fuel Facility	Bremerton	ī	Awaiting RA
	Lorenzo burk ruer ractificy	DI CHICI COII	**	***************************************

^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

^{**}National Priorities List sites, ranked under the Federal Hazard Ranking system.

***STATUS: Remedial Action (RA), Independent RA (IRA)

\$\delta\$ Groundwater is the only affected pathway at this site.

\$\delta\$ New site added to the ranked list August, 1992.

[@] New site added to the National Priorities List.

NORTHWEST REGION (Cont.)

Contact Persons: Judy Aitken (206) 649-7135 Elaine Atkinson (206) 649-7042

COUNT	Y SITE NAME	NEAREST CITY	RANK*	STATUS***
Kitsa	Norseland Site	Port Orchard	2	Awaiting RA
(cont	.) Stone Property	Bainbridge Island	. 4	Awaiting RA
	Strandley Manning Site	Port Orchard	3	RA in Progress
Skagi	t Butler Hill Lagoon	Burlington	4	RA in Progress
_	Unocal Tank Farm	Mt. Vernon	1	Awaiting RA
Snoho	nish East Waterway	Everett	2	Awaiting RA
	Everett Smelter	Everett	1	RA in Progress
	Everett Tire Fire	Everett	1	RA in Progress
	#Fisherman's Boat Shop	Everett	3	Awaiting RA
	#J.H. Baxter & Company	Arlington	4	Awaiting RA
	Ken's Radiator	Lynnwood	2	Independent RA
	Nord Door	Everett	5	Independent RA
	#Pump Crete	Lynnwood	5	Awaiting RA
	Snohomish Co. PUD -	·		_
	Lynnwood Substation	Lynnwood	2	Awaiting RA
	Unocal - Edmonds Bulk Plant	Edmonds	1	RA in Progress
	U.S. Defense Fuel Supply Point	Mukilteo	1	RA in Progress
	Wallace River Park Well	Startup	4	RA in Progress
	Weyerhaeuser - Mill Site	Everett	1	Independent RA
Whatc	om Boulevard Park	Bellingham	1	Awaiting RA
	#Cornwall Avenue Landfill	Bellingham	2	Awaiting RA
	Georgia Pacific Airport	•		
	Landfill	Bellingham	4	Awaiting RA
	Oeser Cedar (Little Squalicum			
	Creek)	Bellingham	1	Awaiting RA
	#R.G. Haley Int.	Bellingham	3	Awaiting RA
	#Sunshine Cleaners	Bellingham	2	Awaiting RA
	Trans Mountain Oil Pipeline -	_		
	Laurel Pump Station	Bellingham	1	RA in Progress
	#Uniflite/Murray Chris-Craft	Bellingham	2	Awaiting RA
	Whatcom Waterway	Bellingham	1	Awaiting RA
	Wilder Landfill (Thermal Reduction)		1	RA in Progress

NUCLEAR AND MIXED WASTE PROGRAM - HANFORD PROJECT

Contact Person: Dave Jansen (206) 438-7021

	COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
)	Benton	Hanford 100-Area (USDOE)	Richland	**	RA in Progress
		Hanford 1100-Area (USDOE)	Richland	**	RA in Progress
Annua .		Hanford 200-Area (USDOE)	Richland	**	RA in Progress
1		Hanford 300-Area (USDOE)	Richland	**	RA in Progress

^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

^{**}National Priorities List sites, ranked under the Federal Hazard Ranking system.

^{***}STATUS: Remedial Action (RA), Independent RA (IRA)

[♦] Groundwater is the only affected pathway at this site.

New site added to the ranked list August, 1992.

[@] New site added to the National Priorities List.

SITE CLEANUP SECTION

Contact Person: Tim Nord (206) 438-3039

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Clark	Bonneville Power Adm Ross (USDOE)	Vancouver	**	RA in Progress
	Frontier Hard Chrome, Inc	Vancouver	**	RA in Progress
	Vancouver Well #4	Vancouver	**	Awaiting RA
Grant	Moses Lake Wellfield	Moses Lake	**	Awaiting RA
Island	Naval Air Sta. Whid Is (Ault)	Whidbey Island	**	RA in Progress
	Naval Air Sta. Whid Is (Seaplane)	Whidbey Island	**	RA in Progress
Jefferson	NUWES Indian Island	Chimacum	1	RA in Progress
King	Queen City Farms	Maple Valley	**	RA in Progress
KTIIG	Western Processing Co., Inc.	Kent	**	Cleanup Conducted
Kitsap	Eagle Harbor	Bainbridge Island		RA in Progress
RICSAP	#Jackson Park Housing Complex (JPHC)	_	1	Awaiting RA
	NUWES - Keyport (4 areas)		**	
		Keyport Bremerton	1	RA in Progress
	Puget Sound Naval Shipyard		**	RA in Progress
	US Navy Bangor Naval Submarine Base		**	RA in Progress
	US Navy Bangor Ordnance Disposal	Silverdale	1	RA in Progress
	US Naval Supply Center	Bremerton		RA in Progress
T	Wyckoff Company	Bainbridge Island		RA in Progress
Lewis	American Crossarm & Conduit Co.	Chehalis	**	RA in Progress
Okanogan	Silver Mountain Mine	Loomis	**	RA in Progress
Pierce	ASARCO	Tacoma	**	RA in Progress
	Commencement Bay, Ruston/Vashon	Tacoma	**	RA in Progress
	McChord AFB(American Lake Gardens)	Tacoma	**	RA in Progress
	McChord AFB (Wash Rack/Treatment)	Tacoma	**	RA in Progress
	Ponders Corner (Lakewood Site)	Lakewood	**	RA in Progress
	South Tacoma Field (Tacoma Swamp)	Tacoma	**	RA in Progress
	Tacoma Landfill	Tacoma	**	RA in Progress
	Tacoma Tarpits	Tacoma	**	RA in Progress
	US Army-Fort Lewis (Ldfl #4/SRCPP)		**	RA in Progress
	US Army-Fort Lewis (Landfill No. 5)		**	RA in Progress
	US Army-Fort Lewis Logistics Center	Fort Lewis	**	RA in Progress
	Well-12A	Tacoma	**	RA in Progress
Skagit	EDB-2-Birdsview	Mount Vernon	1	Cleanup Conducted
Skamania	USACOE-Hamilton Island Landfill	North Bonneville	**	Awaiting RA
Snohomish	Tulalip Landfill	Marysville	**	Awaiting RA
Spokane	Colbert Landfill	Colbert	**	RA in Progress
	Fairchild Air Force Base (4 Areas)	Spokane	**	RA in Progress
	Mica Peak Radar Facility	Spokane	4	RA in Progress
	Northside Landfill	Spokane	**	RA in Progress
Thurston	EDB-1-(Spooner Strawberry Farm)	Olympia	2	Cleanup Conducted
	Restover Truck Stop	Tumwater	3	RA in Progress
Whatcom	EDB-3-Meadowdale	Lynden	3	Cleanup Conducted
	Northwest Transformer(Mission/Pole)	•	**	RA in Progress
	Northwest Transformer(So. Harkness)		**	RA in Progress
Yakima	FMC Corp. (Yakima Pit)	Yakima	**	RA in Progress
	Pesticide Lab (Yakima)	Yakima	**	RA in Progress
	Yakima Plating Co.	Yakima	**	RA in Progress
	TOUTHU THUTTIE OU.			

^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

^{**}National Priorities List sites, ranked under the Federal Hazard Ranking system.

***STATUS: Remedial Action (RA), Independent RA (IRA)

\$\displaystyle \text{Groundwater}\$ is the only affected pathway at this site.

\$\neq\$ New site added to the ranked list August, 1992.

@ New site added to the National Priorities List.

SOUTHWEST REGION

Contact Person: Dick Heggen (206) 586-8618

		35		
COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Clallam	#Chevron Bulk Plant	Port Angeles	1	Awaiting RA
	PenPly (ITT Rayonier)	Port Angeles	5	RA in Progress
J	#Port of Port Angeles Log Yard	Port Angeles	1	Awaiting RA
na.	Truck Town	Port Angeles	3	Awaiting RA
	#Unocal Bulk Oil Storage		160	
	Terminal #0601	Port Angeles	1	Independent RA
Clark	Allied Chemical	35		
7	(General Chemical Corp.)	Vancouver	5	Awaiting RA
	Burlington Northern - Vanc.	Vancouver	1	Awaiting RA
	Carborundum Co.			
77	(Now SOHIO Vancouver			
1	Electrominerals Co.)	Vancouver	1	Awaiting RA
1	Circle "C" Landfill	Ridgefield	1	Cleanup Conducted
	GATX Terminals	Vancouver	1	Awaiting RA
l	Griffee Cleaners	Vancouver	5	Awaiting RA
j	L & C Deli	Vancouver	40	RA in Progress
	Larch Mountain (DNR)	Washougal	2	Independent RA
	Leichner Bros. Landfill	Vancouver	3	RA in Progress
	Orbit Industries	Washougal	4	Awaiting RA
at 6.	Pacific NW Plating - Boomsnub Corp.	Vancouver	1	RA in Progress
1	Port of Vancouver	Vancouver	1	RA in Progress
	Robertson's Paint Shop	Vancouver	5	Awaiting RA
d s	Tidewater Barge Lines	Vancouver	2	Awaiting RA
	Vancouver Wells 1,3	Vancouver	4	RA in Progress
Cowlitz	Chevron USA, Longview	Longview	1	Awaiting RA
	Cliff Koppe Metals	Kelso	2	Awaiting RA
	Gardner Forest Products			
	(N.B. Gardner)	Longview	4	Independent RA
	Olympic Pipeline Company	Castle Rock	1	Awaiting RA
d)	Ostrander Rock Disposal	Longview	4	Awaiting RA
7	Radakovich Landfill	Longview	1	Awaiting RA
	Reed Landfill	Kelso	1	Awaiting RA
	Unocal Bulk Plant #0321	Kelso	1	Awaiting RA
	West Coast/Mobil Oil	Longview	1	RA in Progress
Grays Harb	. Most Western Laundry	Hoquiam	1	Awaiting RA
	Roderick Timber Company	Junction City	1	Awaiting RA
	Snook Residence	0akville	1	Awaiting RA
Jefferson	Chevron Bulk Plant	Port Townsend	1	Awaiting RA
	Olympic Testing Labs	Quilcene	2	Awaiting RA
	#Texaco Bulk Plant	Port Townsend	2	Awaiting RA
Lewis	Centralia Landfill	Centralia	**	RA in Progress
T-	Packwood Lumber Co.	Packwood	4	Awaiting RA
	Trailer Village	Centralia	40	Awaiting RA
	Utility Transformer Service Co.	Pe Ell	4	Awaiting RA
Mason	Certified Aerospace, Inc.	Shelton	4	Awaiting RA
Pacific	Weyerhaeuser - Truck Shop	Raymond	1	RA in Progress
()				

^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

**National Priorities List sites, ranked under the Federal Hazard Ranking system.

***STATUS: Remedial Action (RA), Independent RA (IRA)

\$\displaystime{\text{Groundwater}}\$ is the only affected pathway at this site.

\$\displaystime{\text{Foundwater}}\$ New site added to the ranked list August, 1992.

[@] New site added to the National Priorities List.

SOUTHWEST REGION (Cont.)

Contact Person: Dick Heggen (206) 586-8618

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Pierce	Atochem Corp (2901 Taylor Way)	Tacoma	1	RA in Progress
(cont.)	Atochem Corp (3009 Taylor Way)	Tacoma	2	RA in Progress
	B & L Woodwaste Fill	Milton	1	RA in Progress
	Brazier Forest Industries	Tacoma	1	Independent RA
	Buffalo Don Murphy-Waller Rd.	Tacoma	1	Awaiting RA
	#Calhoun's Service Station	Tacoma	2	Awaiting RA
	Camp Murray	Tillicum	1	Independent RA
	Cascade Pole-McFarland/Sitcum	Tacoma	. 4	RA in Progress
	Cascade Pole-Tacoma	Tacoma	1	RA in Progress
	Cascade Timber #1	Tacoma	1	RA in Progress
	Chevron Bulk Plant	Tacoma	3	Independent RA
	Comm Bay-Near Shore/Tide Flats (includes Cascade Timber #3 - Port of Tacoma and Cascade Timber #3 - US Oil)	Tacoma	**	RA in Progress
	Coski Industrial Dump	Tacoma	5	Awaiting RA
	"D" Street Petroleum	Tacoma	4	RA in Progress
	Dorman Tire Fire	Roy	ī	Awaiting RA
	General Metals	Tacoma	ī	RA in Progress
	Hidden Valley Landfill(Thun Field)	Puyallup	**	RA in Progress
	Landscaping by Pat Boring	Tacoma	4	Awaiting RA
	Lincoln Ave. Drainage Ditch	Tacoma	3	Awaiting RA
	Louisiana Pacific	Tacoma	1	RA in Progress
	Manke Lumber	Sumner	5	Awaiting RA
	#(b) (6) Residence	Tacoma	3	Awaiting RA
	McNeil Island	Steilacoom	i	Cleanup Conducted
	Murray Pacific No. 1	Tacoma	ī	RA in Progress
	Music Machine, The	Tacoma	40	RA in Progress
	National Oil Dump	Tacoma	4	Awaiting RA
	Occidental Chem Marine View	Tacoma	3	Awaiting RA
	Parkland Cleaners	Tacoma	3	Independent RA
	Petroleum Reclaiming Services	Tacoma	2	Awaiting RA
	Puget Sound Power & Light -			Commence of the Commence of th
	Electron Camp	Orting	2	Independent RA
	Rhone-Poulenc (Basic Chemicals Co.)	Tacoma	3	Awaiting RA
	Sumner National Auto Parts	Sumner	1	Awaiting RA
	#Tacoma Metals, Inc.	Tacoma	2	Awaiting RA
	Tacoma Storm Drains	Tacoma	1	RA in Progress
	Tam Engineering	Tacoma	1	Awaiting RA
	Union Pacific RR - Tunnel	Tacoma	3	Awaiting RA
	Valley Refinishing	Bonney Lake	1	Awaiting RA
\$2	Wasser Winters	Tacoma	1	RA in Progress
	West Coast Saws/Carbide Processors	Tacoma	4	Independent RA
	Weyerhaeuser-Dupont Xytec, Inc. (NW Monitor Molded	Dupont	2	RA in Progress
	Products)	Tacoma	2	Awaiting RA

*Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5. **National Priorities List sites, ranked under the Federal Hazard Ranking system.

[@] New site added to the National Priorities List.

SOUTHWEST REGION (Cont.)

Contact Person: Dick Heggen (206) 586-8618

COUNTY	SITE NAME	NEAREST CITY	RANK*	STATUS***
Thurston	American Fiberglass	Tumwater	2	Independent RA
	#Black Lake Grocery	Olympia	2	Awaiting RA
	Cascade Pole-Olympia	Olympia	1	RA in Progress
	Cedar Creek Corrections Center	Littlerock	2	Independent RA
	Fourth Street Mobil	Olympia	40	RA in Progress
	Hytec - Littlerock	Littlerock	4	Awaiting RA
	#Hytec - Tumwater	Tumwater	3	Awaiting RA
	Lacey DNR Compound	Lacey	4	Independent RA
	Lacey Laundromat (formerly Thurst	on		
	Co. Water Dist. #2)	Lacey	1	Awaiting RA
	Lacey Valve Grinding	Lacey	5♦	Awaiting RA
	Minitrie Tire Fire	Rochester	1	Awaiting RA
	Monarch Bullet	Rochester	1	Awaiting RA
	Pattison Lake EDB	Lacey	40	RA in Progress
	Puget Sound Power & Light	Olympia	5	Independent RA
	Rhodes Chemical Co. Dump	Rochester	3	Awaiting RA
	Rhodes Chemical Co Barn	Rochester	3	Awaiting RA
	Texaco Bulk Plant	Tumwater	3	Independent RA
	Unocal - Hulco Site	Olympia	4	Awaiting RA
	Weyerhaeuser Box Plant	Olympia	3	Awaiting RA
	Wolph's Second Hand Store	Olympia	2	Awaiting RA
	Wood Fabricators	Yelm	4	Awaiting RA

^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5. **National Priorities List sites, ranked under the Federal Hazard Ranking system.

***STATUS: Remedial Action (RA), Independent RA (IRA)

\$\displaystyle \text{Groundwater is the only affected pathway at this site.}

\$\displaystyle \text{New site added to the ranked list August, 1992.}

[@] New site added to the National Priorities List.

STATEWIDE NO FURTHER ACTION SITES

SITE HAZARD ASSESSMENTs were completed on these sites before August 1992 and Ecology finds no further action is indicated under the Model Toxics Control Act. For identification of previously designated 'no further action' sites, contact Sherrie Hanson at (206) 438-3017.

CENTRAL REGION

Contact: Mark Peterschmidt (509) 454-7840

COUNTY

SITE NAME

NEAREST CITY

Yakima

Madame Kleen

Yakima

Yakima Valley Community College

Yakima

EASTERN REGION

Contact: Patti Carter (509) 456-6167

COUNTY

SITE NAME

NEAREST CITY

Grant Spokane Walla Walla WA Army National Guard Shop #2

Ephrata

Geiger-SIABP-Spokane County Engineers Shop

Spokane

Walla Walla Airport - Burn Pit

Walla Walla

NORTHWEST REGION

Contacts: Judith Aitken (206) 649-7135

Elaine Atkison (206) 649-7042

COUNTY

SITE NAME

NEAREST CITY

King Snohomish Snohomish

Highline Auto Massage Buse Timber & Sales Monroe Landfill

Burien Everett Monroe

SOUTHWEST REGION

Contact: Dick Heggen (206) 586-8618

COUNTY

SITE NAME

NEAREST CITY

Clark

Vancouver

Jefferson

Duane Kennedy

Fowlers Park Roadbed

Port Townsend

^{*}Rank: Highest Assessed Risk = 1 and Lowest Assessed Risk = 5.

^{**}National Priorities List sites, ranked under the Federal Hazard Ranking system.

^{***}STATUS: Remedial Action (RA), Independent RA (IRA)

\$\delta\$ Groundwater is the only affected pathway at this site.

[#] New site added to the ranked list August, 1992.

[@] New site added to the National Priorities List.

HIGH PRIORITY SITES for REMEDIAL INVESTIGATION/FEASIBILITY STUDY by REGION

These contaminated sites have been designated as high priority for remedial action by Ecology as required by WAC 173-340-140. On these sites, remedial investigation/feasibility studies (RI/FS) are scheduled to be completed within 18 months of signing the order or decree and subsequent remedial actions will also follow the requirements of WAC 173-340-140. The department may extend a deadline if the circumstances at a site merit a longer timeframe. All changes in schedules will be published in the Site Register. The decision to designate these sites as high priority does not imply that persons associated with them are liable under Chapter 70.105D RCW. For additional information about a particular site contact the person indicated in each regional office.

CENTRAL REGION

Contact Person: Tony Grover (509) 575-2440

COUNTY	SITE NAME	LOCATION ADDRESS	NEAREST CIT	Y START	DATE
Thelan	Cascade Helicopter	E. Sullivan St & Airport Rds	Cashmere	9/91	*
Kittitas	Bingo Fuel Stop	Exit 101, Interstate 90	Thorp	8/1/92	*
Yakima	Manhole 34	Yakima Hwy & 6th Street	Sunnyside	11/91	*
[akima	Richardson Airways, Inc.	Yakima Municipal Airport	Yakima	7/1/92	*
[akima	Tiger Oil (24th & Nob Hill)	2312 W. Nob Hill Blvd.	Yakima	10/31/91	*
Yakima	Yakima Valley Spray Co.	1122 S. 1st St.	Yakima	4/1/92	*

EASTERN REGION

Contact Person: Flora Goldstein (509) 456-7693

COUNTY	SITE NAME	LOCATION ADDRESS	NEAREST CIT	TY START	DATE
Adams	Burlington Northern-Othello	Wheeler Street	Othello	3/91	*
Adams	Soil & Crop	101 W. 1st & Broadway	Othello	6/91	**
Franklin	2000 pm max 2000 = 200 mm (200 mm 200 pm mm mm)	Ainsworth & West 9th	Pasco	10/92	*
Grant	Vista Corner Texaco	640 N. Stratford Road	Moses Lake	11/92	**
Stevens	Whitten Oil - Exxon	NE Corner of Main & Dominion	Colville	10/23/91	*

NORTHWEST REGION

Contact Person: Mike Gallagher (206) 649-7054

COUNTY	SITE NAME	LOCATION ADDRESS	NEAREST CITY	START	DATE
King	BNR - Roundhouse (Skykomish Train Yard)	Burlington Northern Rail Yar	dSkykomish	9/92	*
-King	Landsburg Mine-Rogers Seam	Kent-Kangley Rd. & 268th Ave	-	2/92	
King	LIDCO/Liquid Waste Disposal	7113 S. 196th	Kent	7/90	
King	Slag Disposal/Beckwith Prop.	S. 218th St. & 88th Ave. S.	Kent	1/92	*
Snohomish	Everett Smelter	Hwy 99 & E. Marine View Dr.	Everett	5/92	*
Snohomish	Unocal - Edmonds Bulk Plant	11720 Unoco Road	Edmonds	1/93	*
Snohomish	US-Defense Fuel Supply Point	1 Front St. (by Loveland)	Mukilteo	8/90	*

^{*} Date an order or a consent decree has been signed or is anticipated.

^{**} As Ecology is conducting remedial activities, no consent decree or order is required.

HIGH PRIORITY SITES for REMEDIAL INVESTIGATION/FEASIBILITY STUDY by REGION

NORTHWEST REGION (Cont.)

Contact Person: Mike Gallagher (206) 649-7054

COUNTY	SITE NAME	LOCATION	ADDRESS	NEAREST	CITY	START DATE

Whatcom Trans Mountain Oil Pipeline -

Laurel Pump Station 1009 E. Smith Road Bellingham 10/91 *

SOUTHWEST REGION

Contact Person: Megan White (206) 753-0147

COUNTY	SITE NAME	LOCATION ADDRESS	NEAREST CITY	START	DATE
Clark	Boomsnub Corporation	7608 NE 47th Avenue	Vancouver	11/90	*
Clark	Vancouver Wells	4th Plain & Grand/Wash. St.	Vancouver	6/91	*
Lewis	Centralia Landfill	1411 South Tower	Centralia	4/92	*
Pierce	Cascade Timber #3 -			•	26
	Port of Tacoma	Thorne Road	Tacoma	10/91	*
Pierce	Cascade Timber #3 -			40	
	US 011	Maxwell Way - Between			
		Port of Tacoma Road &			
		Thorne Road	Tacoma	10/91	*
Pierce	Dupont-Weyerhaeuser	1000 Barksdale Avenue	Dupont	6/91	*
Pierce	Murray Pacific #1	3502 Lincoln Avenue East	Tacoma	9/91	*
Thurston	•	1105 East Fourth Avenue	Olympia	9/92	*

^{*} Date an order or a consent decree has been signed or is anticipated.

^{**} As Ecology is conducting remedial activities, no consent decree or order is required.

HIGH PRIORITY SITES for SITE HAZARDOUS ASSESSMENTS by REGION

The following sites, designated as high priority for site hazard assessments (SHAs) by Ecology under WAC 173-340-140 and WAC 173-340-320, are scheduled to have SHAs beginning after 9/1/92, and completed within six months of their start date. The decision to designate these sites as high priority sites does not imply that persons associated with the site are liable under Chapter 70.105D RCW. For additional information about a particular site contact, the person listed for each regional office. Sites may be scheluled for further investigation at any time if the department determines that the site warrants expedited action.

CENTRAL REGION

Contact Person: Mark Peterschmidt (509) 454-7840

COUNTY	SITE NAME	LOCATION ADDRESS	NEAREST CITY
Benton Yakima	New City Cleaners Circle "L"	747 Stevens Drive 809 Yakima Valley Highway	Richland Yakima
Yakima	Maid O'Clover	1530 State Highway	Sunnyside

EASTERN REGION

Contact Person: Patti Carter (509) 456-6167

COUNTY	SITE NAME	LOCATION ADDRESS	NEAREST CITY
Adams	Adams County Maintenance Shop	State Road 26	Othello
Grant	Duncan Crane Service, Inc.	11798 Wheeler Road NE	Moses Lake
Grant	Larson Substation,		
	Grant County PUD	Stratford & 7th NE	Moses Lake
Spokane	Sicilia Trucking	N. 5523 Julia	Spokane
Spokane	Sparks & Buttercup		95
\$1.00 m	Subdivision	12th & Eastern St.	Spokane
Walla	Pantorium Cleaners	10 E. Rose	Walla Walla

NORTHWEST REGION

Contact Persons: Judith Aitken (206) 649-7135 Elaine Atkinson (206) 649-7042

COUNTY	SITE NAME	LOCATION ADDRESS	NEAREST CITY
King	Asco Processing, Inc.	424 N. 35th St.	Seattle
King	Widing Transportation	24300 Pacific Highway South	Kent
Kitsap	Olympic View Landfill	10015 SW Barney White Road	Port Orchard
Snohomish	Lynnwood Plating	2107 196th St. SW	Lynnwood
Snohomish	Rubatino's Truck Care	2730 Harrison Ave.	Everett

SOUTHWEST REGION

Contact Person: Dick Heggen (206) 586-8618

COUNTY	SITE NAME	LOCATION ADDRESS	NEAREST CITY
Pierce	Milton Well #3	Porter Way & Fife Street	Milton
Pierce	Nalley's Fine Foods	S. 35th & South Lawrence	Tacoma
Pierce	WSU - Buckley Farm	2000 Collins Road	Buckley

SITE REGISTER

* Phone numbers and addresses are listed below for Ecology offices.

CENTRAL REGION

106 S. 6th Avenue Yakima, WA 98902-3387 (509) 575-2491

This section investigates, oversees and supervises cleanup of contaminated sites in these counties: Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima.

EASTERN REGION

N. 4601 Monroe Suite 100 Spokane, WA 99205-1295 (509) 456-6310

This section investigates, oversees and supervises cleanup of contaminated sites in these counties: Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman.

HANFORD PROJECT

P.O. Box 47600 Olympia, WA 98504-7600 1-800-321-2008

This project's primary duties include providing state oversight of the Hanford cleanup. They are also responsible for permitting and compliance with the state solid waste, hazardous waste, and water quality laws at the Hanford sites.

INDUSTRIAL SECTION

2404 Chandler Court SW Suite 260 Olympia, WA 98502 (206) 586-1074

This section investigates, oversees and supervises cleanup of contaminated sites at major pulp and paper mills, aluminum smelters and oil refineries, statewide.

NORTHWEST REGION

3190 160th Ave SE Bellevue, WA 98008-5452 (206) 649-7000

This section investigates, oversees and supervises cleanup of contaminated sites in these counties: Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom.

POLICY AND TECHNICAL SUPPORT SECTION

P.O. Box 47600 Olympia, WA 98504-7600 (206) 438-3000

This section's primary duties include regulation and policy development and providing program-wide technical support.

SITE CLEANUP SECTION

P.O. Box 47600 Olympia, WA 98504-7600 (206) 438-3000

This section's primary duties are to investigate, oversee and supervise cleanup of hazardous waste sites which are on the federal superfund list (NPL). The Federal Facilities' unit of this section addresses NPL sites on federal facilities and state sites at the same facilities.

SOUTHWEST REGION

7272 Cleanwater Lane SW P.O. Box 47775 Olympia, WA 98504-7775 (206) 753-2353

This section investigates, oversees and supervises cleanup of contaminated sites in these counties: Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum.

GLOSSARY

SITE STATUS DEFINITIONS

Awaiting Further Remedial Action: Only a Site Hazard Assessment has been done on the site.

Remedial Action in Progress: Ecology has oversight. This can include sites undergoing: 1) Remedial Investigation/Feasibility Study; 2) Interim Action: Any remedial action that partially addresses the cleanup of a site; or 3) Cleanup Action (active construction).

Cleanup Action Conducted: This category includes sites where all cleanup construction has been completed, but various levels of operation/maintenance/monitoring continue to be performed at the site.

Independent Remedial Action:
This category includes all sites with independent remedial actions underway currently, or completed but work not verified by the department. Once the department is ready to proceed with action at a site, this category will no longer apply and the site will be moved to an appropriate category.

Enforcement Order: A legal document issued by the department requiring remedial action. Failure to comply with an enforcement order may result in substantial liability for costs and penalties. *

Hazardous Site List: A list of ranked sites that require further remedial action.

Independent Cleanup Action: Any remedial action without department oversight or approval and not under an order or decree.

National Priorities List (NPL): Environmental Protection Agency (EPA) list of hazardous waste sites identified for possible long-term remedial response with funding from the federal Superfund Trust Fund. There are currently 44 sites in Washington State officially designated as Final NPL sites.

Remedial Action: Any action to identify, eliminate, or minimize any threat posed by hazardous substances to human health or the environment, including any investigative and monitoring activities of any release or threatened release of a hazardous substance and any health assessments or health effects studies.

Site Hazard Assessment (SHA): An assessment to gather information about a site to confirm whether a release has occurred and to enable Ecology to evaluate the relative potential hazard posed by the release. If further action is needed, an RI/FS is undertaken.

State Remedial Investigation/
Feasibility Study (RI/FS): A
study to define the extent of the
problems at a site and evaluate
alternative cleanup actions. A
comment period on the final report is
required. Ecology selects the
preferred alternative after reviewing
these comments.

Washington Ranking Method
(WARM): Method used to rank sites
placed on the hazardous sites list. A
report describing this method is
available from the department.

* Orders and decrees are subject to public comment. If an order or decree is substantially changed, an additional comment period is provided.



Department of Ecology P.O. Box 47643 Woodland Square Building Olympia, WA 98504-7643

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